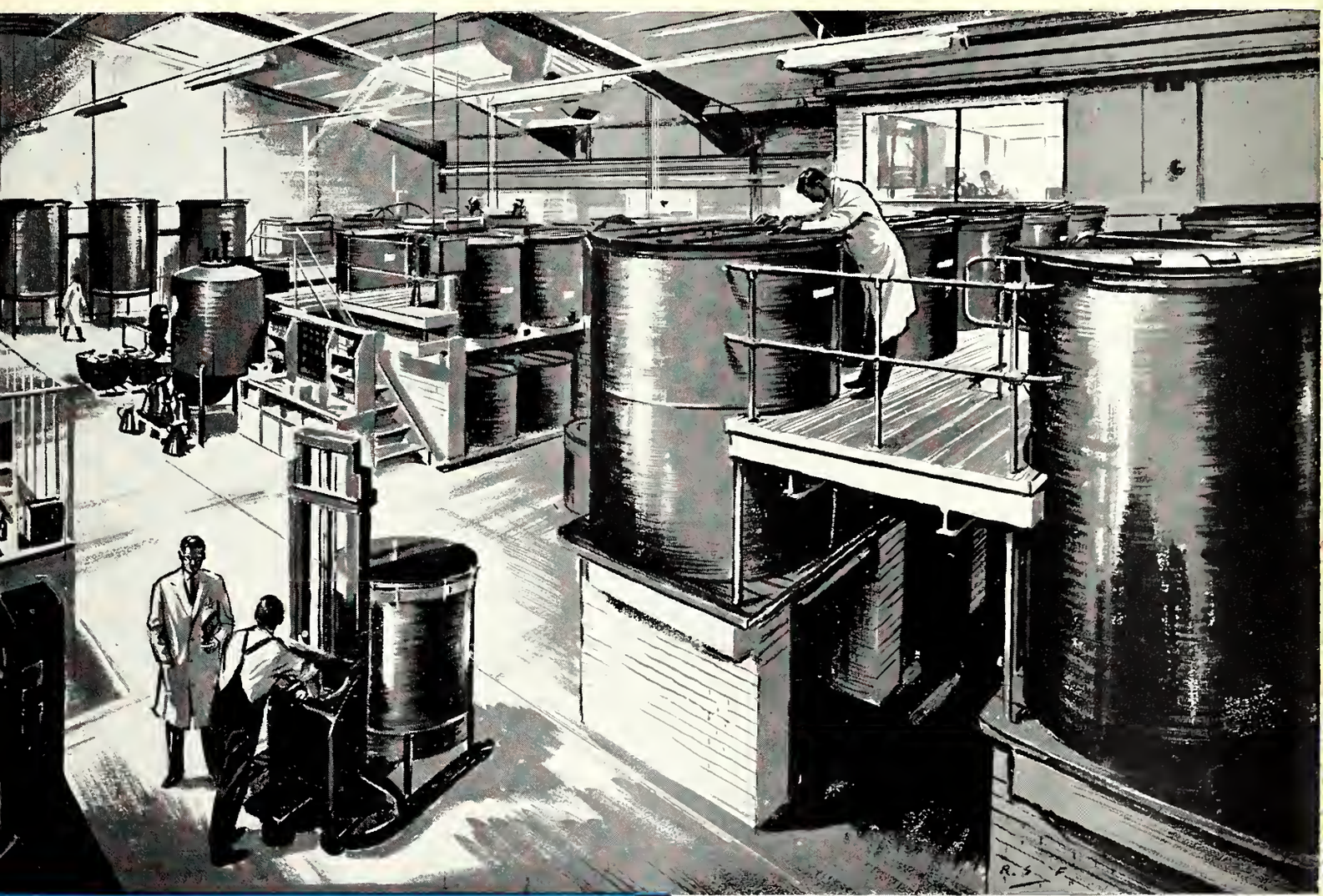
The CHEMIST AND DRUGGIST

For Retailer, Wholesaler and Manufacturer

JUNE 6 1964



E QUALITY PRODUCTS
THE PHARMACEUTICAL,
D, DRINK,
MICAL & PERFUMERY INDUSTRIES

ALLEN & SONS LTD. WHARF ROAD, LONDON, N.1.
CLErkenwell 1000 Telegrams: Stafalens, London, N.1
ng Melford, Suffolk and Wharf Road, London N.1, and farms at Long Melford.

ESSENTIAL OILS English distilled and imported.
PHARMACEUTICALS Liquid Extracts, Syrups, Emulsions, etc.
FLAVOURS Food, Confectionery, Soft drinks.
SPICES Milled & Saromex standardised.
INSECTICIDES Pyrethrum and Derris extracts.
PERFUMERY COMPOUNDS Toilet preparations and industrial.

Illustration shows a section of the new Galenical Building at Long Melford concerned purely in the manufacture of a wide range of products for the Pharmaceutical Industry.

StaffordAllenS

NEW, COMBINED PRODUCT TO BRING YOU EXTRA BUSINESS

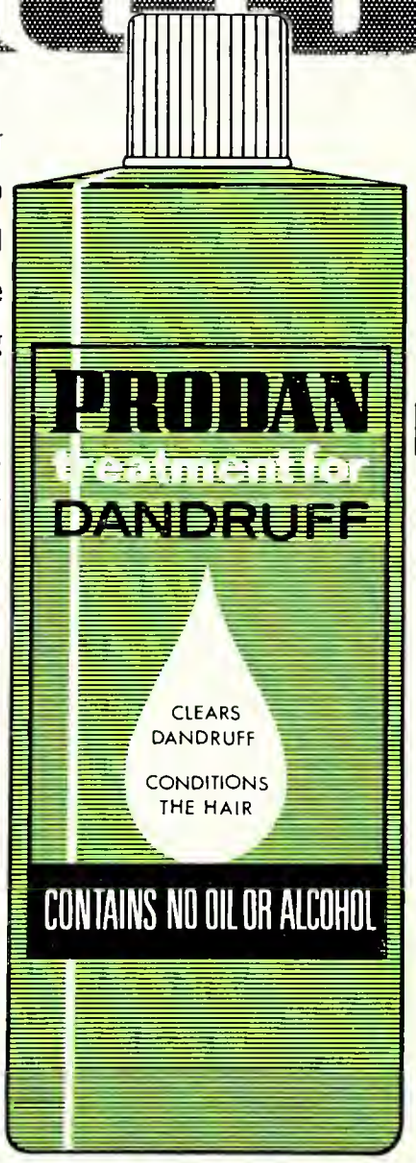
Clears dandruff conditions and sets hair

PRODAN

Prodan is new . . . and different. Your customers use it *after* shampooing, to clear dandruff, to condition the hair, and as a setting lotion. Three actions in one make Prodan an *extra* line with big sales potential.

A wide consumer test proved that in 93% of cases dandruff was cleared or greatly reduced — testers reported hair more manageable, soft and silky.

Get stocks of Prodan now. Big advertising will bring sales, the product brings repeats. A 6-oz. bottle retails at 5/6. Trade price 37/8 per dozen, plus 9/5 p. tax. PACKED IN ½ DOZENS



BONUS OFFER

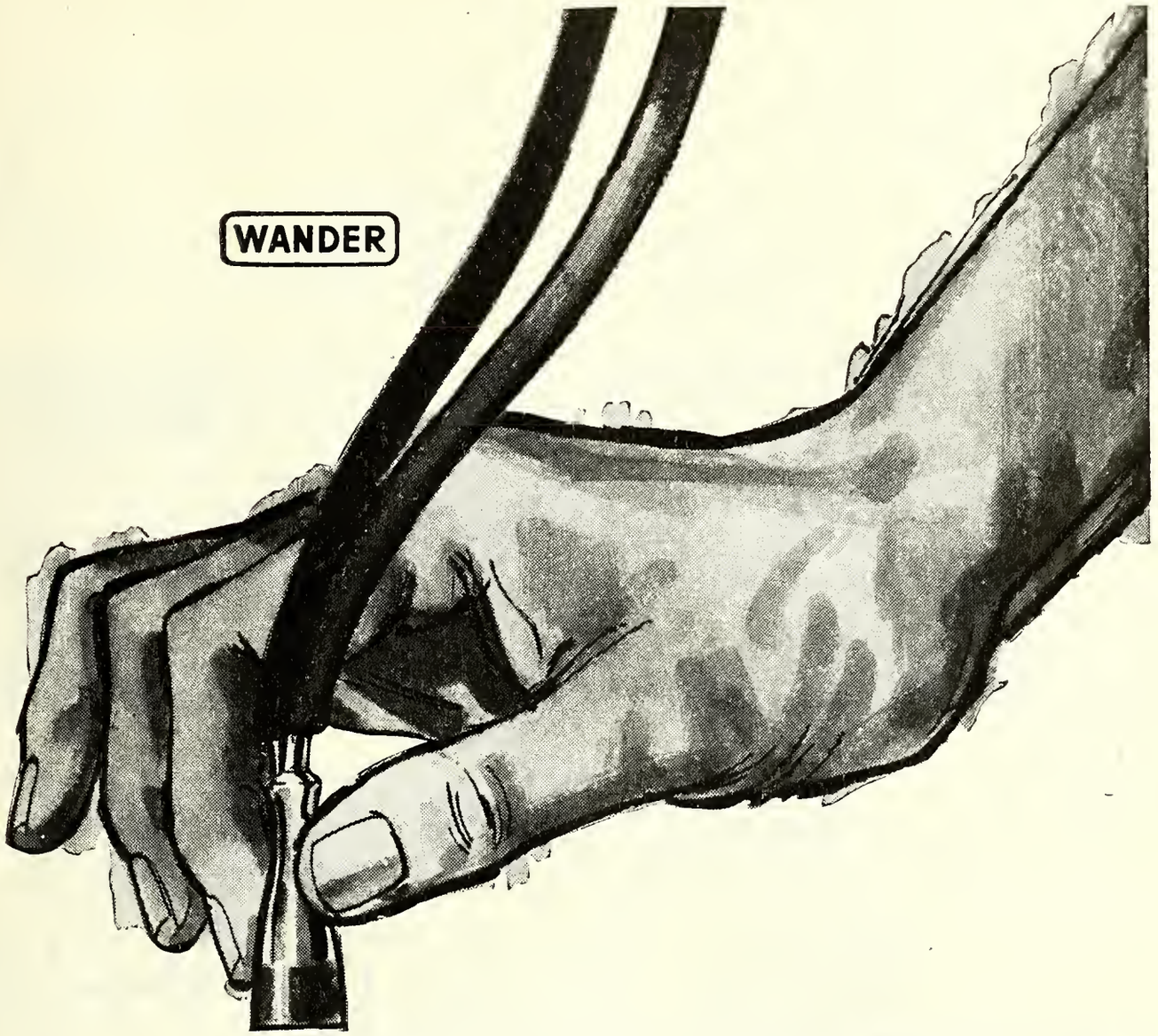
—12 invoiced as 11
on all orders received before
11th July 1964

BIG-SPACE NATIONAL ADVERTISING begins June 8th in the

MIRROR EXPRESS MAIL TELEGRAPH

Order Prodan from your wholesaler or direct from

G. T. FULFORD CO. (U.K.) LTD · CORNWALL ROAD · HATCH END · MIDDX · Telephone: HATch End 1055



THE HELPING HAND IN TUBERCULOSIS

A. Wander Limited produce a wide range of tuberculostatic preparations throughout the world. Among these is the well-known Pasinah range, which includes PASINAH-302 and PASINAH '6PH'. The latest addition is PASINAH-D, a powder which dissolves completely in cold milk or water to make a pleasantly flavoured drink. PASINAH-D is available in either lime or raspberry flavour.

PASINAH-302 '6PH' '10PH' '25' '33' '50'	Sodium PAS B.P. and Isoniazid B.P.	cachets.	For patients intolerant to Sodium PAS there is also CALCIUM B-PAS (Calcium Benzamidosalicylate) in cachets and powders, and B-PASINAH (Calcium Benzamidosalicylate with Isoniazid B.P.) in cachets and powders.
PASINAH-D	Sodium Aminosalicylate B.P. and Isoniazid B.P.	powders for preparing a flavoured drink	
AMINACYL Sodium	Sodium Aminosalicylate B.P.	cachets, tablets and powders	

Hospital or trade terms gladly sent on request

A. WANDER LIMITED, 42 UPPER GROSVENOR STREET, LONDON W.1.

T80C

A



FABULOUS FREE BOX COVER OFFER ON KLEENEX* TISSUE THIS SUMMER

Your customers will want this exciting FREE KLEENEX BOX COVER and will send up two tear strips from KLEENEX, one from a coloured pack. SO YOU'LL SELL THEM TWO AT A TIME!

*REGD. TRADEMARK KIMBERLY-CLARK CORP.

This great offer plus heavy advertising* will give added drive to our Kleenex summer sales

Make sure you have plenty of coloured Kleenex in stock, new soft blue, new soft yellow and the new pink pocket pack.

he Kleenex summer advertising will reach over 1 million women with whole page ads selling oloured Kleenex and the box cover offer in...

Woman
Woman's Realm
Woman's Mirror



André Philippe

EXCITING NEWS! AEROSOL HAIR SPRAY REDUCTIONS START NOW!

ANDRÉ PHILIPPE LTD., 71-71B GOWAN AVENUE, FULHAM, LONDON SW6 TELEPHONE REN 2194/2397

THIS IS THE THEME



OF THE NEW TORBET ADVERTISING

Tell your customers about this safe vegetable laxative

TORBET CALSALETTES 1/8½ & 6/8½

TORBET LACTIC OATS 2/1 & 4/2

TORBET LACTIC OAT CO. LTD., 24, Great King Street, Edinburgh, 3.

THE FAMOUS NOVELTY HAIR ROLLERS

"FABULO" BRAND (Regd.)

In very attractive cellophaned packets are supplied in 9 different counts and each count of a different size and circumference to suit every possible hair style.

The price without competition considering the counts and renowned quality is

14/8 per dozen packets plus 25% Purchase Tax

Suggested retail price 2/4

Illustrated catalogue and samples free on request

Supplies through the wholesale trade or direct from :-

Established 1921 **HAETAM LTD.** Phone: BLA 3882

63 CORPORATION STREET, MANCHESTER 4

EXPORT ENQUIRIES WILL BE APPRECIATED

BURROUGH'S ABSOLUTE ALCOHOL

JAMES BURROUGH LTD · VAUXHALL ST · LONDON S.E.11



MAUND & BERG

For Pharmacy Fittings, Complete Installations, or Individual Items...

PRICE LIST CD4 ON REQUEST

175-9 OLD STREET · LONDON E.C.1

Tel: CLErkenwell 1782

ESTABLISHED 1793

ATKINSON & BARKERS INFANTS' PRESERVATIVE

The Infants' Medicine of 150 years' standing

For teething and digestive troubles

ROBERT BARKER & SON LTD

5 GLISSON ROAD, CAMBRIDGE

Tel: Cambridge 54049

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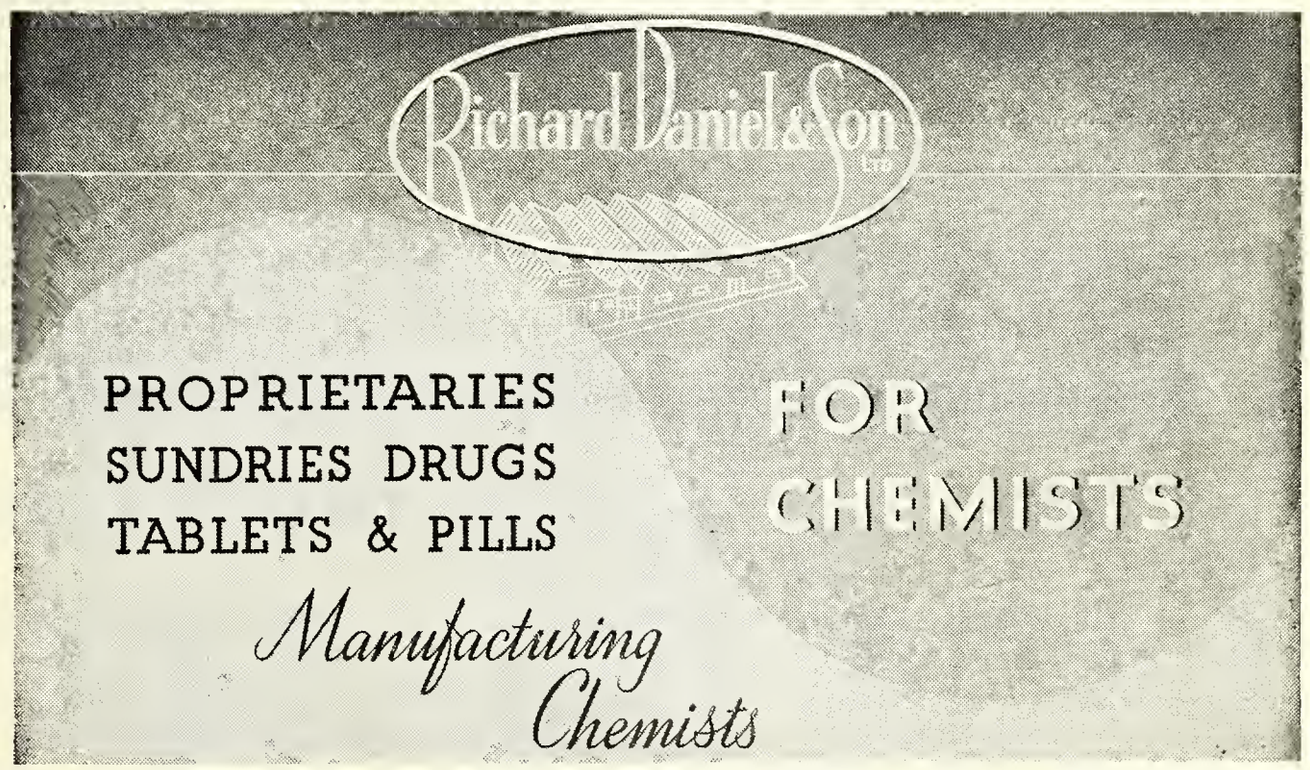
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HEAD OFFICE & WORKS: MANSFIELD ROAD, DERBY. Tel: 40671 (10 lines)
BRANCH WAREHOUSE: GROSVENOR ST., ASHTON under LYNE. Tel: 5161 (9 lines)
NORTH WINGFIELD ROAD, GRASSMOOR. Tel: Holmewood 481 (7 lines)



Europe's biggest selling range of sun tan preparation

1 **AMBRE SOLAIRE OIL** *(bottle)*
44/8 per doz. bottles plus tax
Retail price 6/6 per bottle



2 **AMBRE SOLAIRE OIL** *(aerosol)*
In an Aerosol 92/7 per doz. plus tax
Retail price 13/6 per aerosol



3 **AMBRE SOLAIRE MOUSSE**
In an Aerosol 92/7 per doz. plus tax
Retail Price 13/6 per aerosol



4 **AMBRE SOLAIRE CREME**
In a Tube
40/- per doz
plus tax
Retail price 5/1
per tube

Manufactured and Distributed by GOLDEN L



Biggest advertising campaign ever for Ambre Solaire in National Newspapers

Nearly 24 million people will see the new, biggest ever Ambre Solaire advertising campaign in **Sunday Express, Sunday Times, Daily Express, Daily Mail** and **Daily Telegraph**

Display the attractive eye-catching dispensers and stock the whole Ambre Solaire range. Order now.

AMBRE SOLAIRE

every individual need

New this year!

OLAIRE LIQUID CREAM SUN TAN LOTION

y liquid cream. Non-greasy. Carries ring protection right into the skin. dozen plus tax. Retail price 8/9 in iguing dispenser pack.





y Square House, Berkeley Square, London W.1. Mayfair 8240

M. & R. NORTON LTD

present their new pack

DISPLAYS

DISPENSES

SELLS



INTRODUCING New Neutrogena Dozen Pack

Combination Carton
Carriage - Display - Counter Dispenser
Packed with 12 tablets
and designed to
SELL MORE NEUTROGENA

IT'S COMPACT . . . . . Only 2″ wide FOR EASY SHELF STACKING

IT'S SPACE SAVING . . Needs just $6\frac{1}{4}$ × 2″ on counter

IT'S CONVENIENT . . . Just pull outside dispenser tabs, put on the counter and you have a colourful, eye-catching display that's guaranteed to sell Neutrogena.

A SELF-SELLING PACKAGE THAT WORKS FOR YOU
FULL COLOUR - EYE-CATCHING SPACE SAVING

NO EXTRA COST ORDER NOW

Order from your usual wholesaler or direct from

M. & R. NORTON LTD., 9 Park Hill, London, S.W.4.

Here's a fabulous seller from **HANIMEX**

THE HANORAMA DAYLIGHT VIEWER

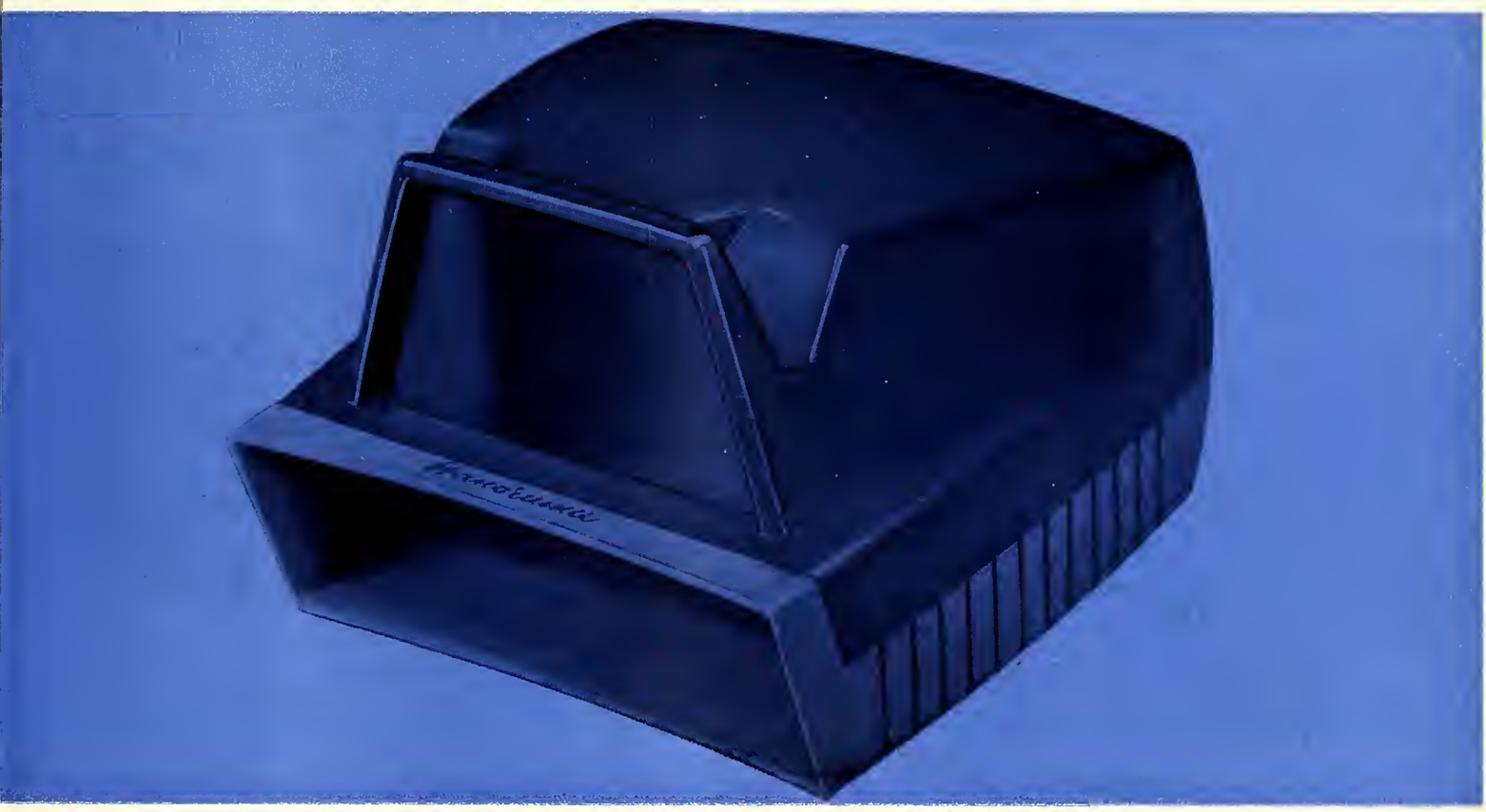
RETAIL PRICE 29/6

COMPLETELY NEW DIMENSION IN VIEWING

NO BATTERIES OR BULBS NEEDED

- For 35mm. Colour Slides and Superslides
- Real depth effect—almost 3D
- Completely eliminates lens reflection
- Supersedes all battery and electric viewers
- See the powerful window display piece (over)

IT WILL SELL AND SELL AND SELL!



COMPLETE AND TEAR OFF THIS ORDER FORM AND POST IT TODAY!

ORDER TO HANIMEX

Please supply ..... HANORAMA VIEWERS @ 29/6 Retail

Plus a special window display piece

Orders under 3 Viewers will be charged postage

Dealer's Name .....

Address .....

Signature .....

THIS IS THE DISPLAY PIECE-COMPLETE WITH SAMPLE SUPERSLIDE-THAT WILL BRING YOU MORE AND MORE SALES OF THE HANIMEX

HANORAMA VIEWER

A real sales-getter! Display piece with a superslide, which we will provide, attracts attention, invokes curiosity. Passers-by can't resist looking at an eye-level display.
PUT THIS DISPLAY IN YOUR WINDOW AND THE VIEWER WILL SELL ITSELF—OVER AND OVER AGAIN!



Postage will be paid by Licensee

[No Postage Stamp necessary if posted in Great Britain or N. Ireland

BUSINESS REPLY CARD Licence No. SE 2161

HANIMEX
42 LOWER MARSH
LONDON SE1

Distributed and guaranteed by HANIMEX

YOU CAN PROFIT FROM HANIMEX cellence

The corner stone of treatment in hypertension

TENSANYL

Bendrofluazide 1.25 mg., Reserpine 0.1 mg. and Potassium Chloride 573 mg.

new low dosage combination that provides a basic unit for more flexible prescribing and lower long-term treatment costs—average 3d daily

Basic NHS cost 100 tablets 10s.

Leo representatives will begin discussing this valuable new product with your local practitioners this week.

Leo Laboratories Limited
Copenhagen London Dublin

LEO

C

NEW RAPID CAMERAS AND FILM

The biggest news in photography gets the biggest support ever!

July 1st, 1964 — launch date of the most dynamic, nation-wide advertising campaign ever produced by Agfa. This will launch the new 'Rapid' cameras and film in Britain. The spearhead of the attack—television.

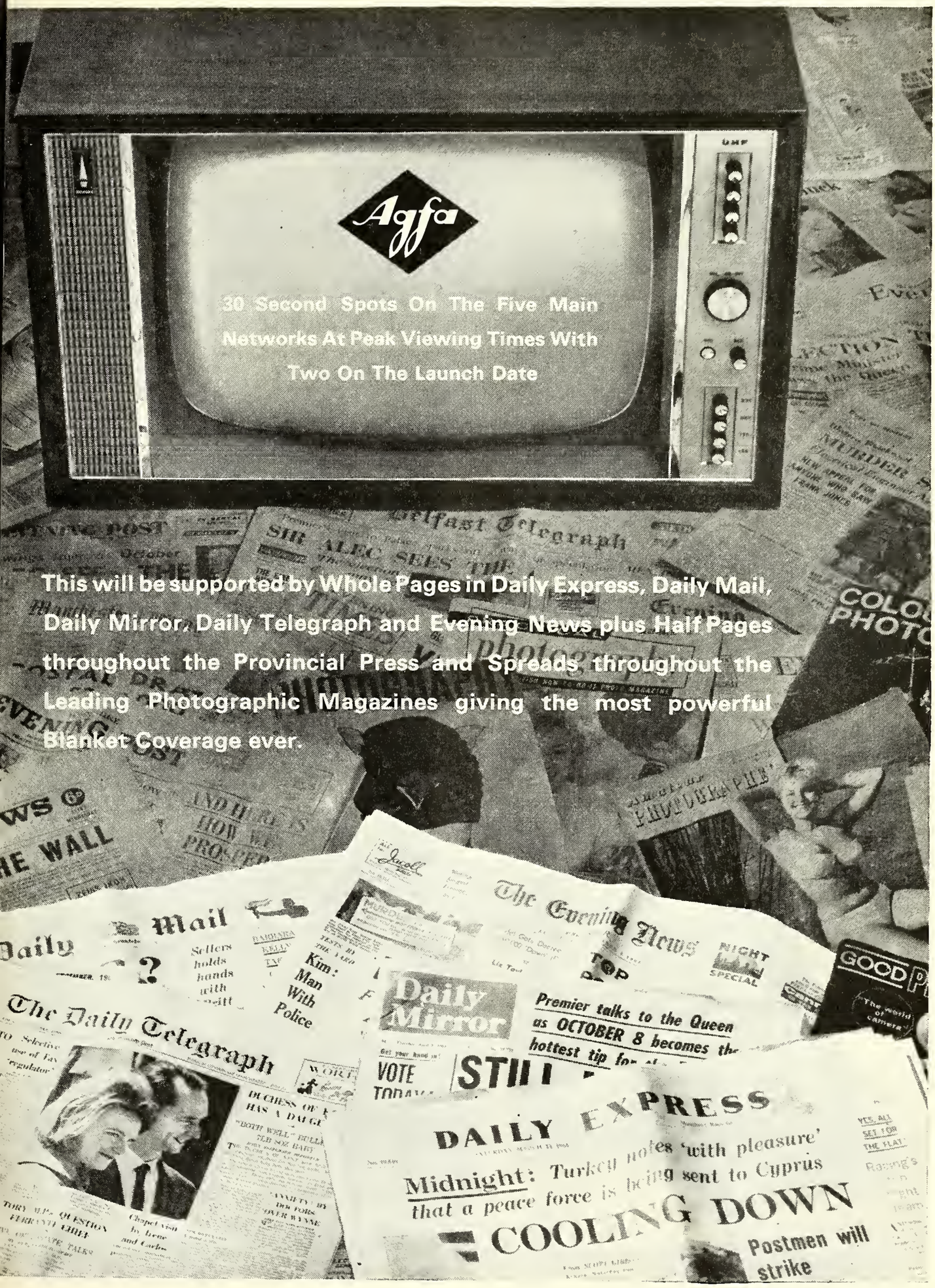
30 Second Spots On The Five Main Networks At Peak Viewing Times With Two On The Launch Date

This will be supported by Whole Pages in **Daily Express, Daily Mail, Daily Mirror, Daily Telegraph** and **Evening News** plus Half Pages throughout the Provincial Press and Spreads throughout the Leading Photographic Magazines giving the most powerful Blanket Coverage ever.

And more to come! Powerful display support giving added boost to a dynamic campaign, concentrated into **July** and **August**—concentrated to create the biggest demand in the photographic trade since the invention of the camera.

New Rapid Cameras And Films Will Revolutionise Photography For Millions of People.

go rapid with Agfa®


Agfa
30 Second Spots On The Five Main Networks At Peak Viewing Times With Two On The Launch Date
This will be supported by Whole Pages in Daily Express, Daily Mail, Daily Mirror, Daily Telegraph and Evening News plus Half Pages throughout the Provincial Press and Spreads throughout the Leading Photographic Magazines giving the most powerful Blanket Coverage ever.
Daily Mail
The Daily Telegraph
The Evening News
Daily Mirror
Premier talks to the Queen as OCTOBER 8 becomes the hottest tip
DAILY EXPRESS
Midnight: Turkey notes 'with pleasure' that a peace force is being sent to Cyprus
COOLING DOWN
Postmen will strike
Belfast Telegraph

Velouty de DIXOR POWDER CREAM

Constantly advertised in Women's Magazines

IN IVORY, NATURAL, PEACH, OCHRE, SUNGOLD, APRICOT AND RACHEL

	TUBES No. 2	No. 3
TRADE	**10/3** Doz.	**16/4** Doz.
RETAIL	**1/6** Each	**2/6** Each

PLASTIC JARS
Trade **30/8** *Doz.* *Retail* **4/6** *Each*



Special LARGE TUBE



NATURAL
PEACH and
IVORY
ONLY
*

* No. 4 SIZE
TRADE **31/8** Doz.
RETAIL **4/9** Each

DIXOR LTD.
ST. LEONARD'S ROAD, MORTLAKE, S.W.14

London's finest ALL-PROCESS Photo Service



With *quality* and *experience* as their watchwords, PHOTO LABORATORIES offer the fastest turn-round on both *colour* and *black and white* processing. The personal attention of six of Britain's top photo finishers is now combined to give the most comprehensive service with processing and printing under one roof.

Colour service
includes KODACOLOR AGFACOLOR GEVACOLOUR ILFOCOLOR EKTACHROME and FERRANIACOLOR (An approved ILFORD colour laboratory).

DAILY COLLECTION AND DELIVERY LONDON AREA

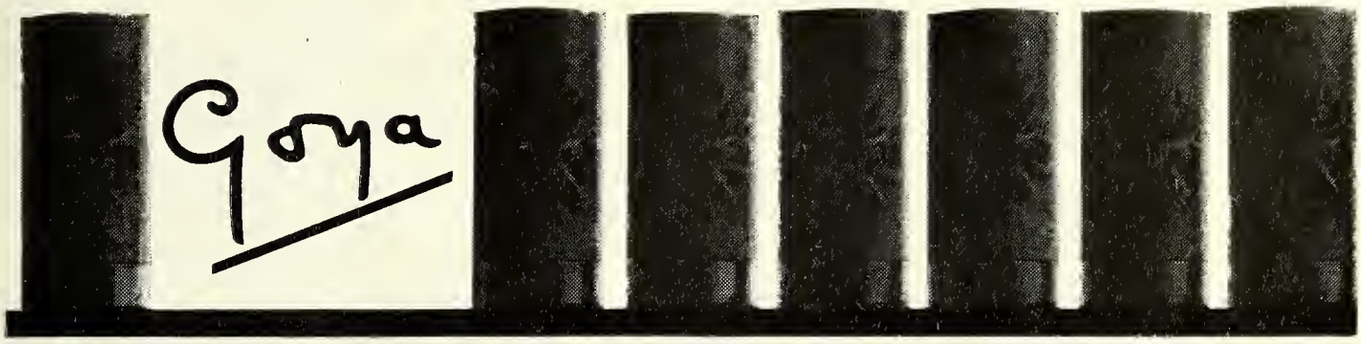
Ask our representative to call

Photo Laboratories (LONDON) LIMITED

Tay Building, 2, Wrentham Avenue, London, N.W.10.

Telephone: LADbroke 7425 (5 Lines)

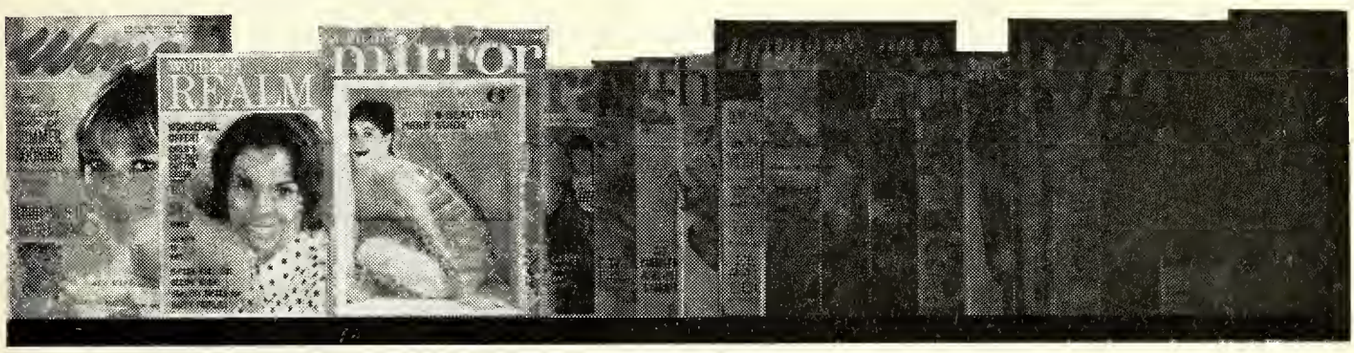
Goya, Britain's biggest selling perfumer, proudly presents . . .





frenzy Warm. Exciting. Feminine. **frenzy** is the greatest perfume Goya has ever created. And **frenzy** is to be launched with the biggest, most compelling advertising campaign for a Goya perfume *ever!*

* From July onwards, full page, full colour advertisements in leading women's magazines — **Woman, Woman's Realm, Woman's Mirror,** many others.
* Display material to suit every need of every shop.





* Special *extra* advertising for Talc and Cologne

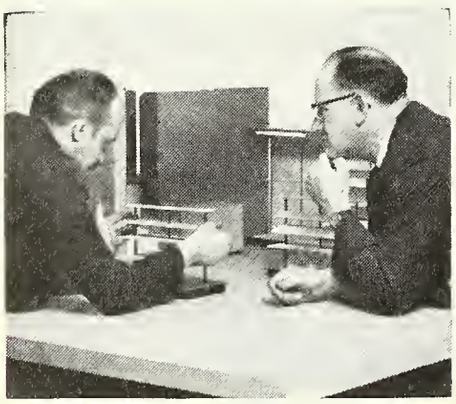
—creating an exciting new world of **frenzy!**

D



HOKON unit merchandizing equipment

for a more prosperous retail pharmacy...



FREE PLANNING SERVICE

A comprehensive shop planning service, firmly based on experience and know-how is at your disposal. This free service brings profitable shopfitting within the reach of every pharmacy in the country.

Designed for really efficient open-plan selling, HOKON 'Profit' modular shopfitting units are both good looking and reasonably priced. The components are interchangeable and complete units may be added to very simply. Advice is free and plans and quotations are without obligation.

Information and fully illustrated catalogue on request from:

BRADLEY & BLISS LTD.

KINGS ROAD · READING · BERKSHIRE · Tel: Reading 55861

APPROVED TO BRITISH STANDARD B.S. 3704

DUREX

BRANDS

the first protectives to receive BSI* approval

The Durex brands – manufactured by London Rubber Industries, already established as the most trusted name in family planning, are the first to be awarded the 'Seal of Approval' of the British Standards Institution. The B.S.I. award is an assurance of reliability, safety and complete harmlessness. Now your customers can be doubly sure . . . and you can be doubly confident in supplying DUREX brands for family planning.

*The British Standards Institution is an independent but Government-supported body which sets and maintains standards of quality for manufactured goods and awards its seal of approval only to those which pass stringent tests. B.S.I. standards are recognised throughout the world.

LONDON RUBBER INDUSTRIES LTD., HALL LANE, LONDON, E.4.

THE CHEMIST AND DRUGGIST

ESTABLISHED 1859

THE WEEKLY NEWSPAPER FOR PHARMACY

and all sections of the drug, pharmaceutical, fine chemical, cosmetic, and allied industries

Official organ of the Pharmaceutical Society of Ireland and of the Pharmaceutical Society of Northern Ireland

Volume 181 June 6, 1964 No. 4399

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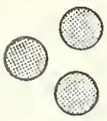
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at 28 Essex Street, Strand, London, W.C.2
Telephone: Central 6565
MEMBER OF THE AUDIT BUREAU OF CIRCULATIONS
©MORGAN BROTHERS (PUBLISHERS), LTD. 1964
GLASGOW: 160 Nether Auldhouse Road, S.3. *Phone: Langside* 2679.
LEEDS, 16: 32 Wynford Rise, West Park. *Phone: Leeds* 67 8438.
WOLVERHAMPTON: 89 Woodland Avenue, Tettenhall Wood. *Phone: Wolverhampton* 52301.

ANNUAL SUBSCRIPTION
which includes The Chemist and Druggist Diary and Year Book, £3 10s. Single copies 1s. 3d. each (postage 5d.).

E

Palatable facts about FERSAMAL



THREE TABLETS
per day

Fersamal Tablets contain ferrous fumarate, a form of iron that is remarkably free from toxic and side effects. The tablets are small and easy to swallow; they do not constipate and do not normally stain the teeth.

195 mg

FERROUS IRON
per day

The ferrous iron content of each tablet is 65 mg. A daily dosage of three tablets provides more than the 180 mg. of iron normally needed for satisfactory haemoglobin regeneration.

1%

HAEMOGLOBIN RISE
per day

Three Fersamal Tablets a day can produce the customary haemoglobin rise of 1% per day.

TABLETS
Tubes of 100 and 1000
Retail prices 3/4 and 26/8.
Trade prices 30/- per doz. and 20/- each.

SYRUP
Bottles of 6 fl. oz.
Retail price 4/8.
Trade price 42/ -per doz.

GLAXO Glaxo Laboratories Ltd

The name Fersamal is a trade mark of Glaxo Laboratories Limited

The CHEMIST AND DRUGGIST

Volume 181 JUNE 6, 1964 No. 4399

New U.S. Drug Regulations

"PROOF OF EFFECTIVENESS" TO BE REQUIRED

THE Food and Drug Administration [of the United States] has adopted in final form new regulations requiring manufacturers to prove the effectiveness of almost all drugs marketed since 1938 and being sold to the public.

The final rules were issued after the Administration had studied written comments by twenty-nine firms and associations. Some deadlines were eased and other points modified, but the Administration adhered to the most controversial provisions: those relating to the applicability of the regulations to drugs cleared since 1938.

Society's Council

ALL OFFICERS RE-ELECTED

THERE are to be no changes in the officers serving the Council of the Pharmaceutical Society of Great Britain during the year 1964-65. At the meeting of Council on June 2 when five newly elected members were welcomed, Mr. C. W. Maplethorpe was re-elected *President,* Mr. J. C. Bloomfield, *Vice-president,* and Mr. H. Steinman, *Treasurer.*

Organochlorine Pesticides

NO RESTRICTION ON USE YET

A JOINT announcement by the Agricultural Departments in Great Britain states that no restriction on the use of aldrin, dieldrin, BHC and DDT will take effect during 1964. However, following upon the Government's acceptance of the report on persistent organochlorine pesticides by the Advisory Committee on Poisonous Substances used in Agriculture and Food Storage, certain changes will be made in the Agricultural Chemicals Approval Scheme List, 1965, regarding aldrin and dieldrin. No changes will be made to the advice governing the uses of DDT and BHC although DDT will be further reviewed in three years' time. The footnotes under DDT and BHC in the 1964 List are therefore cancelled. Users are urged to be economical in their use of all persistent organochlorine pesticides and to use less persistent chemicals whenever possible.

Drugs by Fraud

OVER TEN CASES MONTHLY IN LONDON

THE London Executive Council reports that during the past 3-4 years, 506 case files have been accumulated concerning patients who, under the National Health Service, have endeavoured to obtain, or have succeeded in obtaining, drugs by fraud or false pretences. An average of 10-12 new cases arise every month and at present forty-seven cases are under review, some of them now being considered by the police, who have investigated 232 cases over the past three years. leading to eighty-nine prosecutions.

British Standards

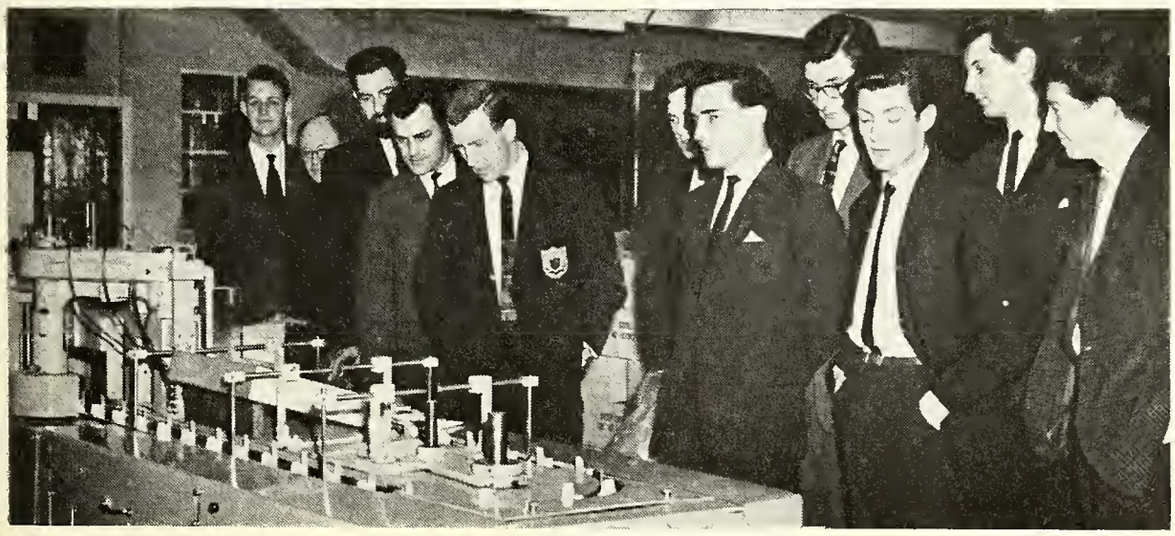
NEW AND REVISED SPECIFICATIONS

A NEW British Standard, B.S. 3718: 1964 (Laboratory Humidity Ovens (Non-injection Type)) has been issued by the British Standards Institution, 2 Park Street, London, W.1 (price 7s. 6d.). The Standard specifies performance and constructional requirements for conditioning ovens of the forced-circulation type, in which the relative humidity of the air is controlled by the use of saturated salt solutions. A new Code of Practice, C.P. 1003 (Lining of Vessels and Equipment for Chemical Processes Part 1: 1964, price 10s.) gives guidance to manufacturers and users of rubber-lined vessels and equipment. Among amendment slips recently issued are PD 5201 (Paraformaldehyde. Amendment No. 1) and PD 5202 (Formaldehyde solution. Amendment No. 2). Amendments PD 5194-95 refer to changes in respect of medicine measures of 50 and 30 mils capacity respectively. Draft standards circulated for comment include D64/4854 dealing with Nessler cylinders.

Sydney Body Lecture

EDUCATING THE PUBLIC ON HEALTH

THE Sydney Body lecture 1964 (in the series inaugurated at Southend-on-Sea in 1954 by Mr. Sydney F. Body, M.P.S.) was given by Lord Hill of Luton, M.A., M.D., D.P.H., Hon. LL.D. (chairman of the Independent Television Authority) on "Public Education in Health and Disease." Lord Hill said the age was one of information. New knowledge burst with staggering speed



BIRMINGHAM STUDENTS STUDY PHARMACEUTICAL FILLING: Pharmacy students from the College of Advanced Technology, Birmingham, pictured recently at the Greenford headquarters of Glaxo Laboratories, Ltd. The visitors toured the laboratories and saw something of the work in the pharmacy unit, analytical and tablet department and pharmaceutical packing (including sterile filling). They also saw the film, "A Vitamin Emerges."

and for most people in indigestible quantities. It was also much more easily available, and much more easily communicated. Easy communication had stimulated the growth of what it communicated. The truly educated man was not just someone who had acquired a goodly stack of information, of facts and figures, data and formulæ. He was one who had become capable of understanding the knowledge he had acquired. About health and disease there was more knowledge than ever before, and more ways of communicating it, with television the latest and perhaps the most effective. But should doctors and others try to explain them all to the public? An excessive or a too lively interest in disease was food for a neurosis. Much medical knowledge was comprehensible only to the trained: the expert few. Without a scientific training much of the knowledge could not be grasped. There was some medical knowledge that in sheer self-interest the layman should not try to understand. Wisdom lay between a clamour for the whole body of knowledge, and a denial of any to the inquirer. The crucial question was what knowledge was useful for the doctor to impart to the layman. There was knowledge that could be safely given without increasing introspection or deepening a nervous apprehension: infection, diseases due to shortage of vitamins, venereal disease, cancer of the lung, psychological conditions and so on. A great deal could and should be conveyed to the public. In the speaker's view the main plank of public education concerning the human body was some knowledge of how it works. It was permissible to arouse interest in health by talking about disease but, once the interest was aroused, the teacher who was to do good and avoid harm must switch to health. He must be scientific but not too scientific. There was nothing to compare in terms of massive public education with the television screen. It was both visual and verbal. "Language is wedded to the image." The information and the advice should always be available and given ungrudgingly, if with care. All modern means of communication should be exploited in conveying it.

Hospital Drug Purchases

BUYING CONTRACTS COMMENDED

THE Public Accounts Committee, in its fourth report (session 1963-64), recommends further hospital economies through co-ordinating buying contracts, both centrally and regionally. The Ministry should if necessary insist, it recommends, that such measures should be adopted. The report welcomes steps now being taken to collect and disseminate information about prices of drugs supplied to hospitals and notes that the expenditure by hospitals on drugs and dressings amounted in 1962-63 to £16·9 millions in England and Wales, and to £2·1 millions in Scotland.

The Ministry is reported as having been acquiring information on the economic purchasing of drugs so as to be able to offer a service to hospitals in enabling them to buy in the best markets. Of five hospital regions still purchasing under area contracts, two are "moving over to regional contracts," and the price information collected by the Ministry would cover all regions and be comprehensive for the whole country. The Committee had been informed by the Ministry that central buying in bulk might involve loss of some of the benefits of competitive tendering because, if invited to tender for the whole country, small firms that could quote keen prices for comparatively small supplies over a narrow area, would either not be able to tender at all or would have to tender at a less keen price. There was no difficulty in obtaining information from the hospital authorities about quantities required to enable the tenderer of few drugs purchased under central contracts to put in keen prices. The Committee was disturbed to learn that the system of having out-patients' prescriptions dispensed by retail chemists "had for so long been open to abuse and free from financial control." It welcomed, however, the action of the Departments in bringing the cost "of this expensive form of prescribing into the accounts of the hospital authorities so that they are now responsible for seeing that regularity and economy are observed, and they expect the Departments to ensure that the cost of these hospital prescriptions is as closely scrutinised as the cost of general practitioners' prescriptions." The Ministry had pointed out that as a result of new accounting arrangements, hospital authorities now had a direct incentive to avoid the extra expense arising from the use of special prescription forms, and a number of irregularities had come to light as a result.

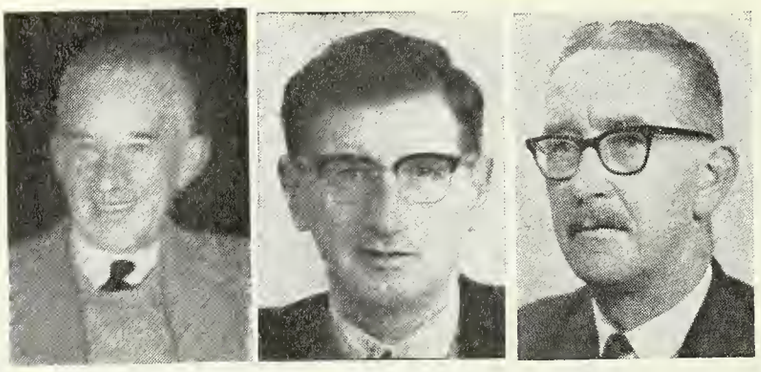
IRISH NEWS

THE REPUBLIC

Irish Drug Election

COMMITTEE SEATS CONTESTED

THE annual meeting of the Irish Drug Association is being held in Jury's hotel, Dublin, at 8.30 p.m. on June 15. Among those seeking re-election to the Committee are the outgoing president (Mr. Alphonsus Thornton, Enniscorthy); the outgoing vice-president (Mr. Henry W. Ferguson, Limerick) and Mr. William Anthony Fielding, Cork. Mr. Thornton, who is nearing the end of two years of presidency, has been a member of the Committee since 1951. An ex-captain of the Irish Chemists' Golfing Society, he has an expanding pharmacy business, specialising on the veterinary and horticultural sides. Mr. Ferguson, also on the Committee since 1951, as well as engaging in all aspects of counter pharmacy, is a dispensing optician. Mr. Fielding has proved his ability since becoming a member in 1953. Other outgoing committee members are Messrs. W. J. D'Alton and S. E. Fox. There are five challengers: Miss B. M. Harnett and Messrs. F. Conway, D. M. Fleming, J. Kennedy and D. McGee.



SEEKING RE-ELECTION TO COMMITTEE OF IRISH DRUG ASSOCIATION: Messrs. A. Thornton (president), H.W. Ferguson (vice-president) and W. A. Fielding.

NEWS IN BRIEF

A NUMBER of mercury ointments are included in the list of drugs and preparations in the Drug Tariff, Scotland, the prices of which were revised on on June 1.

DR. H. B. Turbott (director-general, department of Health, New Zealand) has been elected chairman of the executive board of the World Health Organisation.

To meet an expected shortage of skim-milk powder during the summer and early autumn, the Board of Trade is considering applications for licences to import up to about 15,000 tons from North America during the next five months.

THE British Code of Advertising Practice and British Code of Standards relating to the Advertising of Medicines and Treatments have been combined and printed together in one pamphlet, copies of which are available from the Advertising Association, 1 Bell Yard, London, W.C.2.

A DISCUSSION on "Automation and its Relation to Pharmaceutical Practice" forms part of a reception that is being held by the pharmaceutical group of the Royal Society of Health at the Caledonian hotel, Edinburgh, on September 17. The reception has been arranged to coincide with the British Pharmaceutical Conference.

Courses and Conferences

A COURSE on industrial and factory law, covering among other things the recent Shops, Offices and Railway Premises, and Contracts of Employment Acts is being given by the Industrial Welfare Society, 48 Bryanston Square, London, W.1, June 9–10.

SPORT

Bowls

ULSTER CHEMISTS' BOWLING ASSOCIATION. The fifteenth annual bowling tournament was played at the Belmont bowling green, Belfast, Northern Ireland, on May 27. The prizes were presented by Mrs. J. R. Sanderson, the wife of the cap-

tain. *Results: Jack Caldwell rose bowl*, S. Magowan. *Ulster Chemists' cup*, J. Jennings. *Chemists' section*, R. Johnston, C. Boyd, R. Rosbotham, and J. D. Morrison (consolation). *Representatives' section*, W. Cairns, G. Crawford, J. Maitland and W. Dinnen (consolation).

Golf

IRISH CHEMISTS' GOLFING SOCIETY. Members from all over the Republic turned up for the annual outing of the Society to Tramore, Waterford, Irish Republic, May 24-27.

The Captain's prize was won by P. Joy, Clonmel, with a total of 42 points. An event which looks like becoming an annual feature was a new competition for past captains, that was won by N. McManus, Dublin. The prizes were presented each night by Captain John Howard, except on opening night when the donors, Imperial Chemical Industries, Ltd., were represented by Mr. A. C. Martin. A total of eighty-eight sat down to the Captain's dinner, the guests including the president of the local club, Mr. E. Hill, and the captain, Mr. H. Harper. *Results:* May 24. *Imperial Chemical Industries, Ltd., prizes—Strokes*, M. L. Cashman, Dublin (14), 66; P. F. Twohig (16), 71. *Bogey*, M. Moloney, Killenaule (16), 3 up; J. Burke, Dublin (12), 1 up. *Class 1*, C. J. Staunton: *Class 2*, T. Hogan. May 25. *Bogey, Class 1*, T. Delancy, Waterford (6), 3 up; M. L. Cashman (10), 1 up; J. Hanly, Limerick (5), 1 up. *Class 2*, F. Reen, Cork (16), all square; A. Hurson, Dublin (18), 2 down; J. Holland, Dublin (14), 4 down. May 26. *Committee prizes*, M. Burke, New Ross (18), 69; *Strokes*, F. O'Brien, Cork (11), 69; M. Prendergast, Cork (4), 70; M. Ryan (11), 70. *Bogey*, S. Carroll, Dublin (9), 3 up; D. Condon, Clonmel (13), 2 up; P. B. Joy, Clonmel (11), 1 up. May 27 (Captain's day). *Captain's prize (Stableford)*, P. B. Joy (10), 42. *Class A*, K. Banks, Dublin (12), 40; J. Fitzgibbon, Cork (1), 38; E. Buckley, Tralee (12), 37; R. Daly, Cork (7), 36. *Class B*, C. Mernagh, Campile (20), 37; P. J. Hickey, Thurles (15), 36; J. Hogan, Tramore (18), 35; J. Burke, Cahir (17), 33. *Class 1*, A. Gleeson. *Class 2*, A. Hurson. *Class 3*, M. O'Shaughnessy. *Past Captain's prize*, E. McManus, Dublin (21), 34.

LONDON CHEMISTS' GOLFING SOCIETY. A meeting was held at Porters Park golf club on May 28. *Results:* MEDAL COMPETITION: *Morny prize*, G. Roberts (11), 69; *Jubilee Vase and prize*, R. M. Pierce-Williams (5), 72; STABLEFORD COMPETITION: "*Aspro*" *Rose Bowl and prize*, M. N. Doyle (4), 36 points. *Other leading scorers:* A. R. Jenkins (24), 72; D. A. Savory (16), 72; E. G. Smith (7), 74.

LOCAL OFFICERS

PHARMACEUTICAL SOCIETY

Harrow.—*Chairman*, W. S. Bowman; *Vice-chairman:* G. W. Raine; *Assistant Secretary*, G. Bryan; *Treasurer*, R. A. H. Freemantle; *Social Secretary*, L. P. Emerson; *Secretary*, Miss C. M. Horsley, 7 Moat Drive, Harrow, Middlesex. (Telephone: Harrow 3614.)

Leeds.—*Chairman*, K. R. Rutter; *Vice-chairman*, Mrs. K. B. Buckley; *Chairman-elect*, A. G. Reed; *Treasurer*, T. W. Fisher; *Secretary*, W. Howarth, 1 Wortley Road, Armley, Leeds, 12.

Northern Scottish. — *Chairman*, D. H. MacLeary; *Vice-chairman*, C. S. Forbes; *Treasurer and Secretary*, J. Macpherson, 14 High Street, Ardersier, Inverness-shire.

CHEMISTS' ASSOCIATIONS

Enfield.—*President*, J. Soulsby; *Vice-president*, Mrs. D. M. Authers; *Treasurer*, J. N. Gray; *Social secretary*, A. G. Garrett; *Secretary*, J. D. Tombs, 78 Crest Drive, Enfield, Middlesex.

South-east London. — *President*, F. H. E. Hook; *Social Secretary*, R. W. Crombie; *Treasurer*, Mrs. J. E. Hook. *Vice-president and Secretary*, J. V. Mitchell, c/o Wright, Layman & Umney, Ltd., 46 Southwark Street, London, S.E.1. [The foregoing are also the officers of the South-east Metropolitan Branch, Pharmaceutical Society.]

GUILD OF PUBLIC PHARMACISTS

Bristol.—*Chairman*, E. George; *Vice-chairman*, F. Rawlings; *Treasurer*, E. Whale; *Secretary*, Miss M. F. Haynes, Pharmacy Department, Bristol Eye Hospital, Bristol.

TOPICAL REFLECTIONS

By Xrayser

Branch Representatives

The annual gathering of Branch Representatives of the Pharmaceutical Society has again dispersed after a more than usually exhausting day. A pleasing departure from previous practice was the involving of committee chairmen in the discussion. The meeting was given the opportunity of witnessing at first hand the capabilities of some of its leaders, under critical eyes and testing conditions, and one or two rose manfully to the occasion. It appeared, from the replies of Mr. Tristram (chairman of the Ethical Committee) that the Statement upon Matters of Professional Conduct is in process of revision, and the time may be opportune to do more than merely revise. A redrafting would not be out of place, for some of the provisions lack the clarity that is essential in such a document. A delightful ambiguity occurs in Clause 17, which reads: "A pharmacist should not recommend a particular medical practitioner unless specifically asked to do so." But the most glaring example of hazy construction—a recent addition—occurs in Clause 24, which deals with doctor/pharmacist relationship. While recognising that the closest professional co-operation between pharmacist and doctor is desirable, the Statement considers that it is another question when a business relationship between them is concerned, and states that such a relationship should be avoided. Paragraph (c), quoted as an example at variance with that principle, states: "Where, when both are practising within the same district, a pharmacist is the tenant of a medical practitioner in respect of premises used as a pharmacy or a medical practitioner is the tenant of a pharmacist in respect of premises used as a surgery, provided that this shall not apply where it is clear that such a tenancy did not arise from the deliberate intention of either party, for example, by inheritance of property." It has to be admitted that we all share a responsibility for that, for it was adopted by the annual meeting of the Society in May 1962. But I hope that it will be found possible to redraft Clause 24(c).

Restriction of Sale

The resolution standing in the name of the Manchester and Salford Branch suffered, perhaps, from being too comprehensive, since two separate and distinct subjects were involved—the reservation of the sale of medicines to pharmacists, and the limitation of pharmacies. It is better that the resolution should go forward to Council shorn of the complicated topic of limitation. But, even allowing for the original wording (p. 542), I found myself unable to follow the argument of the secretary and registrar that the motion might suggest to the uninitiated that the pharmacist was not going to do his job properly unless he was first paid for doing it, and secondly that it suggested to the pharmacist so inclined that he had a perfect excuse for evading his responsibilities. There is no doubt that the pharmacist is hindered in the exercise of his full professional knowledge and judgment by the fact that most advertised medicines are obtainable anywhere. And there is equally no doubt that he cannot give full rein to his professional instincts when they are hampered by the economic circumstance of unfettered competition by the untrained. Surely there is no harm in saying so in a Branch resolution to Council.

Anomalies

Anomaly seems to be a mild word in use in connection with the recent changes in Schedule-4 poisons, and I have a great deal of sympathy for the frustrated outburst of Mr. W. W. Morgan in your columns. The inclusion of the simple toothache remedy he mentions—though I am sure Mr. Morgan would be the first to admit that his picturesque historical allusion is faulty in timing—is ludicrous. As I have pointed out more than once, such things were better ordered forty years ago, when the legislators drafting the Dangerous Drugs Act recognised that the presence of lead in lead and opium lotion was likely to deter those seeking solace in laudanum, and that gall and opium ointment, tamped into a pipe with a practised thumb, was unsuitable material for a night in Limehouse—real or fictional.

CONTRACTORS AT PRESTON

Report on remuneration negotiations

THE Ministry of Health was not "dragging its feet" in the negotiations on chemists' remuneration, but wished to get the negotiations settled, said MR. J. WRIGHT (secretary of the Central N.H.S. (Chemist Contractors) Committee) at the annual open meeting of chemist-contractors to the Lancashire Executive Council held at Preston on May 13 and attended by over seventy pharmacists.

Only two matters of major importance were outstanding and Mr. Wright expressed the opinion that they would soon be settled by negotiation. They were:—The notional salary scale for the working proprietor pharmacist, and the percentage profit margin. The Conference of Pharmaceutical Committee Representatives had been adjourned to July 1 and the Committee expected to report substantial progress with the claim by that date.

The step which the Minister of Health had taken by announcing in the House of Commons that he had accepted the A.I.C. Report so far as outgoings were concerned, and that it would mean additional payments totalling some £3 millions to chemist-contractors in England and Wales was unusual. The timing was unquestionably influenced by the Resale Prices Bill. What was apparent was the vastly different attitude of Members of Parliament to N.H.S. pharmaceutical remuneration. Mr. Wright mentioned the unfavourable publicity received by chemist-contractors in 1958 when they were accused by the Public Accounts Committee of making improper and substantial concealed profits. How different was the position today. Members of Parliament on both sides of the House of Commons now realised that chemist-contractors were underpaid and had expressed the view that N.H.S. remuneration should be increased to a reasonable level. Pharmacists had demonstrated quite clearly what influence they could exert on Members of Parliament when they chose to act collectively.

Ingredient Costs

Mr. Wright then spoke of the ingredient costs inquiry. The prices chemists were paying for ingredients, he said, would be reflected in the final remuneration settlement, probably by the larger contractors having a small percentage deducted from the total net ingredient cost before the flat rate oncost was added; medium contractors would have a smaller percentage deducted and the small contractors would have the flat rate oncost added to the total of their net ingredient cost.

The problem of dispensing by doctors in rural areas would be dealt with when the remuneration claim was settled.

During the discussion MR. S. RADCLIFFE, Aughton, said that he hoped that the negotiators would be "tough on retrospection" and was told that retrospective payments would be demanded back to January 1962. Replying to MR. R. BARKER, Ashton-under-Lyne, MR. WRIGHT said that the £9 millions claim was equivalent to about 10½d. per prescription.

MR. R. ROBINSON, Darwen, asked if the recent 20 per cent. increase in electricity charges would be taken into consideration. The reply was that statisticians were discussing with the Ministry how to keep costs under review. MR. H. BRADSHAW, Formby, asked what was the final overall figure of oncost. He was told that the claim was for 17 per cent. oncost as a starting point; agreement had not yet been reached on the adjustment factors to reflect the results of the ingredient costs inquiry. To MR. G. M. EVANS, Prestwich, MR. WRIGHT said that the scale of notional salaries claimed by the Central N.H.S. Committee based on information collected by the industrial consultants and relating to 1962 started at £1,500 a year and went up to £2,700 a year; the arithmetic average of the scale was £1,682 a year. When MR. J. NIXON, Preston, wanted to see a mileage allowance for the delivery of oxygen, MR. WRIGHT pointed out that the Central N.H.S. Committee had claimed that remuneration for the supply of oxygen should reflect delivery but had not pressed for a mileage allowance. The Committee felt that the existing position was the best, that delivery should be on a voluntary basis, then a contractor would not be in a breach of his terms of service if it was impracticable for him to deliver on certain occasions.

To MR. C. NOBLET, Preston, who asked if any changes were envisaged in the Drug Testing Scheme, MR. WRIGHT said fundamental changes were in mind, but these were a matter for the future.

When MR. RICHARDSON, Morecambe, vice-chairman of the Pharmaceutical Committee, proposed a vote of thanks to Mr. Wright, he said that he would also like to add the gratitude of the meeting to Mr. Moss (chairman of the Central N.H.S. Committee), who had given and still was giving so much time, thought and energy to the problem of chemists' remuneration.

THINKING, TOO, NEEDS MODERNISING

Chemists guided on meeting competition from other retailers

FACED with increased competition from others, chemists must not only modernise their shops but bring their thinking up to date. That was the theme of a conference for retail chemists held in conjunction with the Shopshow 64 exhibition at Olympia, London, on May 13. MR. A. J. GOODWIN (managing director, Goodwin Store Fitters, Ltd., Rochford Road, Prince Avenue, Southend-on-Sea, Essex) speaking on "Practical Applications of Layout," said pharmacists were faced with constantly rising costs and other retail outlets were making inroads into their field. Pharmacy planning had to be approached in a scientific way. Chemists must, like the supermarkets, convey an image to the public. "Before planning the inside of a shop take a look at it from the outside," he suggested. "Study the traffic flow of pedestrians and the shop's location in relation to pedestrian crossings and bus stops." It might be worth installing a blind as a shelter for pedestrians. The shopfront should act as a frame, concentrating attention on the picture (the shop). The pharmacist's greatest weapon was his professionalism. While too much space was often given to the dispensary, it was generally out of sight. "Professionalism should be seen at work." One-third of the shop area should be allocated to customer space. Best location for self-selection fixtures department was generally considered to be at the side of the shop adjoining the entrance. Its fittings should be without glass doors. It should have adjustable shelves and base storage cupboards. Shelves need have no divisions. The positioning of the goods would subtly indicate divisions. The system obviated the need for a stock room.

"Coffin-type" counters, with stock concealed behind them, were wrong, especially since 90 per cent. of a chemist's customers were accustomed to supermarket shopping. Chemists should not be "mean" with their lighting bill. Fluorescent lighting should be supplemented with tungsten spot lights to bring out the sparkle on compacts, etc. The floor covering behind the counter, if laid separately, could be replaced without affecting the slower wearing area in the shop. False ceilings were a luxury, one of their advantages was that they enabled lighting to be recessed. Consideration should be given to the staff. Simple things like covering for table tops, or painting staff-room chairs in different colours, could have a marked effect. In planning a store the chemist should talk to other retailers, who had modernised their premises and should ask two or three shopfitters to submit schemes giving them some idea of the proposed outlay.

At question time one chemist thought an argument could be made for more glass cases, not less. Keeping articles on open shelves clean in a shop located in a busy road was quite a problem. Mr. Goodwin said he did not think that, in a pharmacy, the door need be open all the time, except perhaps in hot weather. A little dusting each morning should be enough. To a delegate who said that customers in his store veered to the right when his self-selection area was on the left, he said that prior research would probably have shown the right-hand side to be better for the self-selection department. MR. RALPH TOWSEY (National Cash Register, Ltd., 206 Marylebone Road, London, N.W.1) said customers instinctively go to a counter with assistants. He suggested the ideal layout was therefore self-selection on both sides and assisted service across the back of the shop.

"Are seats for customers a good or bad thing?" asked another inquirer. The speaker said it depended on the space available. Ideally a customer should be persuaded to move around the shop while waiting for a prescription.

"Any action in a retail shop having a positive influence on sales" was the definition of merchandising given by Mr. T. Slater (sales-promotion manager, Beecham Toiletry Division, Beecham House, Great West Road, Brentford, Middlesex) in his talk on that subject. In the past two years 354 supermarkets had opened, all representing competition for the chemist, he said. Pharmacists were competing for a fair proportion of the family weekly budget. They had the advantage of being able to offer personal and professional assistance, but needed a new approach to buying, profit and turnover, stock range, point-of-sale presentation and space allocation. The proper approach was through efficient stock management, he said. In spite of the many new lines offered to chemists, there were but few of the old ones they were prepared to drop. The determining factor should not be simply the margin of profit but also whether the line could be sold. While not expecting chemists to adopt supermarket-type practices, he thought they should ask themselves the question "Does this line justify itself?" Part of a chemist's service was to stock articles in one's and two's, but that service must be kept to a minimum and must be related to demand. Of the hundreds of shades of lipsticks available only 10 per cent. had a regular turnover. Many shops were carrying high stock investments in items that did not pay for their keep. On space allocation, Mr. Slater said that highly priced items should not be displayed in such a way that they hid "bread and butter lines." Seven brands of shampoo would reach six out of ten customers. Increasing the scope to eight out of ten would require a further fifteen to be added. Was that worth while?

The conference concluded with questions to a panel comprising Messrs. T. Slater, J. W. Harrod (Unichem, Ltd., Crown House, Morden, Surrey) and L. B. W. Burton (Phillips, Scott & Turner Co., St. Mark's Hill, Surbiton, Surrey) with Mr. B. Moore (Editor, *Self Service and Supermarket*) in the chair.

Choosing the Product to Stock

"What yardstick should be applied in choosing a new line?" asked one chemist. MR. SLATER said it was necessary to discover what type of market was being aimed at and what backing the product received from its manufacturers. Mr. Burton suggested finding out how much advertising was being launched. On how to reduce pilferage MR. HARROD said self-selection methods did not greatly increase the problem, and it was impossible to stop the determined thief. Mr. Slater said the introduction of self-selection should give the staff time for greater vigilance.

BRANCH EVENTS

SWANSEA

Proposals by N.P.U. Chairman

PLANS put forward by Mr. J. O. Bond (chairman, National Pharmaceutical Union) for forming an N.P.U.-controlled company were given a resolution of support at a meeting of the Swansea branch of the organisation on May 6. MR. BOND'S subject was "A Positive Policy for Pharmacy." He referred to the motion by the Leeds Branch at the N.P.U. branch representatives' conference in April (*C. & D.*, April 11, p. 358) on the setting up of a central purchase fund, saying that his own proposals were an extension of the principle behind that motion. In order that retail pharmacy should be able to control its own destiny, two ingredients were necessary: unity and money. If all N.P.U. members subscribed £5 per month per shop, in two years a working capital of £1,200,000 would be raised. It could be used to form a company completely under members' control. Retail chemists holding shares in their own "giant" would be able to negotiate on equal terms with rival companies. For the type of company he envisaged there was an immediate potential of 10,000 retail outlets. MR. G. DAVID (a member of the Executive) said he was encouraged to find that sales directors of manufacturing concerns were now anxious to discuss the promotion, marketing and distribution of their products with the N.P.U. Marketing Policy committee. He was equally encouraged to see sales figures of N.P.U.-sponsored products rising. The Union's 10,000 members had an unrealised power which Mr. Bond's scheme might harness, leading retail pharmacy into a better future. MR. J. GILBERT (Swansea), commending the scheme, said he had been hoping to hear of such a suggestion since he first entered pharmacy more than fifty years ago. It was time for chemists to get together and reap the benefits of mutual trading.

HOUNSLOW

A Task for the Society

THOUGH he had been a practising pharmacist for almost fifty years, he had never dispensed a prescription for the public MR. J. A. FREEMAN, B.Pharm., F.P.S. (deputy general manager, Parke, Davis & Co.), told members of the Hounslow Branch of the Pharmaceutical Society when he proposed the toast of the Society at the Branch dinner recently. He had entered the industrial side of pharmacy. Mr. Freeman recalled that his company's price list at that time contained about 600 items wholly dependent on natural products. Now there were none. Over the years the "mystery" of pharmacy had disappeared; the retail pharmacist had fallen on evil days and the manufacturing chemists ("the American drug houses") were the subject of constant attacks from Whitehall. It was necessary for the Society to create a new image of the pharmacist in the public eye, letting the public see that despite what was said in Parliament, despite the wider knowledge of the public now gained (often wrongly) from various sources, the pharmacist was second only to the doctor to guide them in public health matters. MR. C. W. MAPLETHORPE (president of the Society), who responded, pointed out that one of the many functions of the Society was to establish educational standards for the prospective pharmacist. Credit must be given to the Society for the perspicacity it had shown in meeting the changed conditions referred to by Mr. Freeman. DR. E. J. SHELLARD (chairman), proposing "The Guests," hoped it would not be long before all who qualified would be graduates "If we are to march side by side with doctors and dentists our standards of education must be equal to theirs," he declared. "We owe a debt to Mr. Maplethorpe for his efforts in getting the Society to think along those lines." The mayor of Heston and Isleworth (Alderman F. J. Jansen) replied on behalf of the guests.

EDINBURGH

Annual Meeting

AT the annual meeting of the Edinburgh and South-eastern Scottish Branch of the Pharmaceutical Society in Edinburgh recently, MR. H. H. CAMPBELL (head of the pharmacy department, Heriot Watt College) addressed members on "Pharmaceutical Education in Edinburgh—the Future." Mr. Campbell outlined progress towards the establishment of a pharmacy degree in Edinburgh. After publication of the report on Higher Education ("Robbins") the College and the University of Edinburgh had agreed that the College should eventually become a degree-granting institution in its own right. To reach that objective an academic advisory committee had been appointed. The course in pharmacy would extend over four years, with entrance requirements based on the Scottish Certificate of Education or three years with acceptable passes at G.C.E. advanced level. The pattern of the present Pharmaceutical Chemist Qualifying examination course would be followed, but some alterations were being considered in pharmacognosy, physiology and pharmacology. It was hoped to find time for subjects of human interest. To think of the degree commencing in 1964 was probably too optimistic but it should be possible in 1965. MR. F. HEPBURN asked the fate of the diploma course. Would students for degree and diploma be in the same class? MR. CAMPBELL replied that there was no intention to cease teaching for the diploma. Students seeking admission for a course in 1964 would be informed that the college was not a degree-granting institution but that they could enrol for the diploma. They could be assured that that would be no detriment to their further progress. MR. HENDERSON deplored the fact that a person with a degree had no business training. Lack of time was the trouble, said MR. CAMPBELL, but business knowledge was readily acquired. He pointed out that "Robbins" recommended no extension of courses in time, so any increase in the number of subjects meant less time for others.

MR. J. A. MYERS asked whether a scientific training could be used in business. MR. CAMPBELL'S reply was that modern trends in medicine being what they were only the person with a sound scientific training and background would succeed.

IN PARLIAMENT

WHEN the House of Commons met on June 2 following the Whitsun recess MR. R. MAUDLING (Chancellor of the Exchequer) intimated during the Committee stage of the Finance Bill that at a later stage of the Bill he might wish to make the regulator of Clause 8 more flexible by varying the rates of duty over the range of articles affected by the regulator. During the debate MR. A. CROSLAND said it was desperately important to try and make the regulator more flexible, because the evidence was increasing that the country might be running into quite serious inflation by the autumn. At present the four groups were for tobacco, alcohol, oil and purchase tax, and the Chancellor should be free to use the regulator on one or more of them without having to use the regulator for all.

MR. MAUDLING said he would "undertake between now and the Report stage to consider the proposal, which I am pretty certain in principle I shall wish to accept, that there should not necessarily be uniformity of rate."

Labels for Farm Chemicals

A Private Member's Bill to ensure that the active ingredients of all chemicals for use on farms or gardens were clearly stated on the labels or containers was given a formal first reading on June 2. Introducing the Farm and Garden Chemicals Bill, MRS. J. BUTLER said it would provide that some simple mark on the label would indicate the degree of toxicity of the chemicals. "We are using a vast sea of these chemicals on the land every year, and we are making fresh discoveries about the dangers of some of them. One which has been used for almost twenty years, DDT, is suspect now, and is being studied for its effects."

COMPANY NEWS

Previous year's figures in parentheses

RADIOL CHEMICALS, LTD. — Mr. P. Lane has been appointed to the board and elected chairman.

CRODA ORGANSIATION.—Underwriting is in progress for an offer for sale by tender by L. Messel & Co. of 300,000 ordinary 5s. shares.

WILLIAM DAVIDSON, LTD. — Mr. W. Black, F.P.S., has been appointed to the board. Mr. Black, who qualified from Robert Gordon's School of Pharmacy in 1944, joined the company in 1955.

THOMAS McMULLAN & CO., LTD. — Mr. J. D. Pollock has been appointed chairman and managing director in succession to Mr. F. R. Moore, who has retired (see *C. & D.*, May 30, p. 547).

BORAX (HOLDINGS), LTD.—Mr. J. D. Tennant (a director), has been elected to the board of United States Borax and Chemical Corporation, together with Messrs. J. F. Corkill and R. F. Steel, who for some years have been vice-presidents of that company.

OXLEY INDUSTRIES, LTD.—Mr. J. Duffell has been appointed a director of the company and deputy-chairman and managing director of its subsidiary Mayfair Photographic Suppliers. Mr. S. Weitzmann has resigned from the boards of both companies.

POTTER & CLARKE, LTD.—The chairman (Lieut.-Col. G. Russell-Hay) told the annual meeting on May 27 that talks were on, "the broad outline of which I cannot divulge for obvious reasons. If successfully concluded, proposals will be put before shareholders . . . within the next two months." On June 1 the board said that negotiations referred to by the chairman were not about a take-over bid.

RECKITT & COLMAN HOLDINGS, LTD.—A final dividend of 9 per cent. is recommended, making 14 per cent. for the year ended January 4 (against 13 per cent.). Net profit is £5,581,000 (£5,566,000) after charging £754,000 more at £5,878,000 for taxation. The latest tax figure includes £300,000 set aside for tax equalisation. The chairman (Mr. J. B. Upton) believes sales and profits should increase further in 1964, given "reasonable stability in industrial relations."

MILES LABORATORIES, INC., Elkhart, U.S.A.—Sales for 1963 were $107·8 millions ($102·2 millions), and net earnings before tax, $13·5 millions ($11·7 millions). Capital expenditure at $2·49 millions was the lowest for several years although $4 millions was originally estimated to be spent and 1964 should see several large projects completed when outlay should be $8 millions. New restrictive drug regulations have made the creation of new drugs more difficult and costly states the annual report, Overseas sales accounted for $23·2 millions or 22 per cent. of total sales and were 9 per cent. up on 1962.

BUSINESS CHANGES

MR. G. F. LEE, Ph.C.N.I., has opened a pharmacy at Main Street, Antrim, Northern Ireland.

DCMC INDUSTRIAL AEROSOLS, LTD., have transferred their head office and technical sales department to 291 Edgware Road, London, W.2 (telephone: Paddington 1003).

MR. F. H. BATE, M.P.S., Ottery St. Mary, Devon, has acquired the business of Mr. F. King, M.P.S., 40 Peach Street, Wokingham, Berks. The pharmacy will be under the managership of Mr. R. Wright, M.P.S.

THE carbon dioxide division of Distillers Co., Ltd., is transferring its head office to Cedar House, London Road, Reigate, Surrey (telephone: Reigate 47611). Sales inquiries should continue to be addressed as previously to the sales offices in Manchester and Wimbledon.

THE name of the company formerly known as Victor Latty, Ltd., owners of the Temple Photo Service, 131 Duckmoor Road, Ashton Gate, Bristol, 3, has been changed to Templecolor Laboratories, Ltd. There has been no change in ownership or directors.

THE business of Tinker's (Chemists), Ltd., 238 Bolton Road, Salford, 6, Lancs, is now being carried on as Tinker's Chemists under the proprietorship of Mr. J. Tomlinson, M.P.S., following the retirement of Mr. W. Wilkinson, M.P.S.

Appointments

ELI LILLY & CO., LTD., Basingstoke, Hants, have appointed Dr. C. Kolstad administrative assistant to the managing director.

MR. L. J. GOWER, B.Pharm., F.P.S., who has been appointed technical director on the board of the consumer division of Pfizer, Ltd., was formerly sales director. Mr. Gower has also been elected to the board of British Alkaloids, Ltd.

OVERSEAS VISITS

MR. P. BARTON (Bowater-Scott group products manager) leaves Britain on June 5 for a three-weeks' study tour in methods of marketing paper products in the United States. During his stay he will spend a week at the headquarters of the Scott Paper Co., Philadelphia, and a further five days in the field with the company's sales force in the Buffalo district. He will also be going to Canada on a visit to Scott Paper, Ltd., Vancouver.

PERSONALITIES

COUNCILLOR A. E. NEWEY, M.P.S., has been appointed chairman of Disley, Ches, council, of which he has been a member for the past three years.

MR. P. A. PANNETT, M.P.S., Hailsham, Sussex, was ordained as a deacon of the Church of England at Chichester cathedral on May 24. Mr. Pannett is at present serving at St. Andrew's church, Moulsecoomb, Brighton, Sussex.

MR. P. M. BELL, Winnipeg, assistant registrar of the Manitoba Pharmaceutical Association, has been named associate secretary of the Canadian Pharmaceutical Association. Mr. Bell takes up his new duties around the beginning of July. He was a member of the Canadian swimming team at the British Commonwealth Games at Cardiff in 1958.

MR. KEITH BEKEN, M.P.S., F.R.P.S., Cowes, Isle of Wight, was the subject of a profile in *Visual* ("an Ilford journal on photography and the graphic arts") in April. "One of the world's best known marine photographers," he takes his pictures from a moving launch which he himself must drive "because no assistant could position the launch quickly enough to suit him." Mr. Beken's firm (Beken & Son) has a negative library of 47,000 plates.

MR. G. F. WILLIAMS, who has been managing director of The British Drug Houses, Ltd., since 1947, retired on May 27. To mark his retirement the directors of the company gave a dinner in his honour and a presentation was made to him by Mr. Geoffrey Eley (chairman), on behalf of the board. Mr. Williams graduated at Cambridge and then became a research scholar at Christ's College in



1927. He was appointed professor of English literature at Bombay University and three years later joined the National Institute of Industrial Psychology as an industrial investigator. He joined B.D.H. in 1935 and during the 1939–45 war was a member of the Vitamin-A Manufacturers' Panel; in 1946 he visited Germany as a member of the official team investigating the commercial organisation of German industry. He has been chairman of the council and president of the Association of British Chemical Manufacturers. On behalf of the staff Mr. W. G. Ellison presented Mr. Williams with a pair of Zeiss binoculars at a subsequent ceremony.

MR. F. W. GRIFFIN, M.B.E., B.Sc., F.P.S., took up his appointment as managing director of The British Drug Houses, Ltd., on May 28. He had been deputy managing director since November 1963. A Lancastrian, Mr. Griffin graduated at Manchester University in 1936, and took up an appointment on the teaching staff of the Manchester University Medical School for a year. He then resigned to join a pharmaceutical company, with which he gained wide commercial experience. At the outbreak of the 1939–45 war he was called up. Posted to India he gained rapid promotion and in three months rose from staff sergeant to Lieutenant-Colonel. After the war Mr. Griffin was successively manager and then managing director of The British Drug Houses (India), Ltd., where he spent twelve years and saw the company expanded from about forty to more than 400 employees. In 1957 he was appointed to the board of the parent company in London, with responsibility for operations in many overseas territories. In 1962 he was given the task of building up the United Kingdom side of the company.



MR. H. BENZIES, who has been chief pharmacist at Sheffield Royal Infirmary for thirty-four years and chief pharmacist at the New Teaching Hospital, Sheffield, is to retire on June 30. A member of the Sheffield Regional Pharmaceutical Advisory Committee since its inception, and chairman of the committee since 1956, Mr. Benzies is retiring to Edinburgh. He qualified in 1924 and joined the pharmacy staff at Guys Hospital, London, leaving in 1930 when he was appointed to Sheffield.

MARRIAGES

POTTS — GALILEE. — At St. John parish church, Seaham, co. Durham, on May 23, David Michael Potts, M.P.S., Grimsby, Lincs, to Yvonne Galilee, M.P.S., Seaham.

DEATHS

BARR.—On May 10, Mr. George Hamilton Barr, M.P.S., 22 Whitings, Oaks Lane, Newbury Park, Ilford, Essex. Mr. Barr qualified in 1912.

BINNS. — Recently, Mr. Joseph Theodore Ward Binns, M.P.S., Orchard End, Inlands Lane, Nutbourne, Chichester, Sussex. Mr. Binns qualified in 1927 and was proprietor of a pharmacy in Chichester for nearly thirty years until his retirement ten years ago through ill health. He was a former member of Chichester Hospitals Management Committee and, until recently, was a member of the West Sussex Pharmaceutical Committee. He is survived by his widow, a son and a daughter.

BOOTLAND. — On May 13, Mr. Sydney Bootland, M.P.S., 9 Beechwood Avenue, Low Fell, Gateshead, co. Durham. Mr. Bootland qualified in 1921.

COOPER.—On May 20, Mr. Basil Bertie John Cooper, M.P.S. of 7 Austen Paths, Elm Green, Stevenage, Herts. Mr. Cooper qualified in 1929.

LOW. — On May 22, Miss Jessie Mary Low, M.P.S., 40 Durham Road, Blackhill, Consett, co. Durham. Miss Low qualified in 1922.

McGAUGHEY.—Suddenly, on May 21, Mr. Thomas McGaughey, M.P.S.N.I., 3 Grasmere Gardens, Salisbury Avenue, Belfast, 15. Mr. McGaughey qualified in 1932 and for the past ten years was manager for Richard Hall (Chemists), Ltd., 14 Main Street, Bangor, co. Down.

MORLEY.—On May 21, Mr. Cecil James Morley, M.P.S., 23 Joyes Road, Folkestone, Kent. Mr. Morley qualified in 1903.

OSBORN. — Recently, Mr. Edward Arden Osborn, M.P.S., 180 Coalway Road, Wolverhampton. Mr. Osborn, who qualified in 1906, was formerly in business in Spalding, Lincs. In the early part of the century he was an apprentice to the late Mr. Wightman Bell, Bridge Street, Spalding, by whom he was taken into partnership in 1912. In 1925, after the death of Mr. Bell, he took over the business, retiring in 1950, though for a time continued the optical side of the business. The pharmacy is now carried on by Ken Smith & Son, Ltd. Mr. and Mrs. Osborn moved later to Wolverhampton. Mr. Osborn was a member and Past-master of the Hundred of Elloe Lodge of Freemasons, a member of the Spalding Gentlemen's Society, and a sidesman of the local parish church. He was secretary for many years and chairman for five, of the South Lincolnshire Branch of the Pharmaceutical Society. Mr. Osborn is survived by his widow and daughter.

TOVANI.—On May 16, Mr. Luigi Alberto Tovani, M.P.S., 16 Hutchison Cottages, Slateford Road, Edinburgh, 11. Mr. Tovani qualified in 1920.

INQUESTS

"Aspirin Suicides Too Easy."—The sale of aspirin tablets to the general public was condemned by a medical witness at a West Hartlepool inquest on May 20. He said "I deeply regret the fact that aspirins can be sold so freely—it makes suicide too easy." Thomas Henry Skinner, 22 James Street, West Hartlepool, was stated to have died as a result of aspirin poisoning. A police constable said that Skinner called the police to his home at lunch-time on May 17 and said he had taken 200 tablets. He was in a dazed condition and violently sick. After a search two empty aspirin bottles were found, each of which had originally contained 100 tablets. The doctor said the man, who was conscious when admitted to hospital, had said: "I was depressed and miserable. I wanted to get out of it." The acting coroner recorded a verdict of suicide.

EXPANSION PROJECTS



FORMALLY OPENED: Mr. J. P. Kerr (a member of the Pharmaceutical Society's Council) performs the opening ceremony at a £50,000 extension to the premises of Evans Medical (Sheffield), Ltd. In the group are (from left):— Messrs. L. A. Chatterton (assistant secretary, Sheffield Branch Pharmaceutical Society); W. F. Patterson (chairman, Sheffield Branch); E. R. Rowlands (chairman, Sheffield Pharmacy Club); J. P. Kerr; W. A. Kinnear (chairman of the company) and W. R. B. Sheldon (managing director). A reception held later was attended by 110 retail pharmacists from the area.

A NEW plant costing £23 millions to make nylon 66 polymer, is being built alongside the existing I.C.I. nylon polymer plants at Wilton Works, North Yorks, by the dyestuffs division of Imperial Chemical Industries, Ltd., raising the company's annual output of the material by well over 50 per cent.

THE Dutch chemical concern Koninklijke Zout-Ketjen and the Celanese Corporation of America are to establish a joint company in Holland to manufacture a series of organic products including acetaldehyde, acetic acid, methanol, formaldehyde, butanol and organic acetates.



NEW ZEALAND FACTORY: New factory of Burroughs Wellcome & Co. (New Zealand), Ltd., now ready for full-scale operation at Otahuhu, nr. Auckland, enabling a range of pharmaceuticals previously imported to be manufactured for the first time in New Zealand. The new site is adjacent to the factory of Cooper, McDougall & Robertson, Ltd., a member of the Wellcome group.

NEW PRODUCTS AND PACKS

PHARMACEUTICAL SPECIALITIES

Available as Syrup.—From June 1 Stelazine tranquilliser/anti-emetic of Smith Kline & French Laboratories, Ltd., Welwyn Garden City, Herts, became available as a peach-flavoured syrup for children and "difficult" patients. Each 5 mils contains 1 mgm. of Stelazine brand trifluoperazinc. The pack is an 8-oz. bottle.

On Prescription Only.—Moore Medicinal Products, Ltd., Waverley House, Aberdeen, point out that their new speciality, Brovolin cough suppressant and expectorant syrup, becomes available on June 6 and is on prescription recommendation only [not as previously indicated in these columns]. For any inconvenience caused to manufacturers or pharmaceutical chemists the Editor expresses his regrets.

BABY DEPARTMENT PRODUCTS

New Baby Food Varieties.—Three new varieties in the Spoonfoods range of Trufood, Ltd., 113 Newington Causeway, London, S.E.1, are veal-and-ham dinner, raspberry delight and fruit delight with vitamin C. Three additions to the "junior" foods range are sweet lime dessert with vitamin C, peach delight with vitamin C, and cheese savoury. Each of the vitamin-C varieties contains a minimum of 40 mgm. per oz. (so may replace orange juice as source of the vitamin for the day).

Baby Powder in Pad. — Infanta, a new antiseptic baby powder by Jackel & Co., Ltd., Shuna Place, Maryhill, Glasgow, N.W., is presented in a pad that enables it to be applied freely on the baby's skin without wastage. Described as the first of its kind available for baby hygiene, the pad is soft, white and square, with hand loop for easy application, and thoroughly impregnated with the powder, which contains hexachlorophene. The makers claim that the outward movement of the powder eliminates risk of cross-infection. The pad itself holds enough powder for about two months' regular use.

COSMETICS AND TOILETRIES

Germicidal Talc.—J. Bibby & Sons, Ltd., King Edward Street, Liverpool, 3, are launching a new speciality, Cidal deodorant talc, with hexachlorophene. The talc is issued in a handsome canister with a sprinkler opening placed at one side of the top for convenience in use.

Deodorant Beauty Soap. — Colgate-Palmolive, Ltd., 76 Oxford Street, London, W.1, announce the introduction of a new deodorant beauty soap Espri, described as "one of the most important post-war developments of the company." Packaged in blue foil wrapper, the soap is now being marketed in the Anglia television area. Its formulation was inspired by answers given in extensive questioning of women of all ages and social classes. The launch is being heavily supported with advertising, and each home in the television area is receiving either a free 2½-oz. sample of the soap or a sixpenny coupon. The soap is also available in a bath size.

Hair Treatment of New Type. — G. T. Fulford Co. (U.K.), Ltd., Cornwall Road, Hatch End, Middlesex, are introducing under the name Prodan, a new type of hair treatment designed



Left: Plastic 6-oz. bottle in which new Prodan antiseptic surfactant of G. T. Fulford (U.K.), Ltd., is presented. Right: Shade sun-tan lotion for sensitive skins (distributors: Chemist division of Food Brokers, Ltd., Crown House, Morden.

to clear dandruff and to condition and set the hair. Prodan is intended for those people, estimated at 94 per cent. of those with dandruff, who fail to follow up the use of an anti-dandruff shampoo by using a scalp lotion. The lotion is massaged into the still damp hair and scalp immediately after shampooing and left on (not rinsed away). The 6 oz. bottle contains enough for about twelve applications.

A Trio for the Hands. — Elegantly packed hand lotions in three popular fragrances have been added to the range of hand-care products offered by



Lenthéric, Ltd., 17 Old Bond Street, London, W.1. In large, gold-capped, "quilted" glass bottles, the Tweed hand lotion is pale lemon, the Tiara jade green and the Royal Rose a soft pink, all topped with matching bows.

More Than a Hair Spray.—Claimed to be top selling hair spray in Paris, *Set de Pantene* is being introduced to the British Market by Thos. Christy & Co., Ltd., Aldershot, Hants. Neither a hair lacquer, nor a simple hair spray, the product contains in common with other Pantene preparations, the "vitamin" Pantyl which is said to penetrate into the hair, thereby contributing to its general health and beauty. It can easily be combed or brushed out of the hair and is unaffected by fog and damp. A three-second spray is sufficient to hold a hair-style throughout the day. Two qualities are available. The blue pack is suitable for a firm hold (especially for hair with a tendency to oiliness), while the white pack is for a light hold (for all types of hair but especially for "porous" hair).

HORTICULTURAL PRODUCTS

New Packs of Plant Foods.—A new range of packs for special Plantoids and indoor Plantoids has been introduced by their new manufacturers. Eucryl, Ltd., Southampton. The range has been designed for "impulse" purchasers, and



covers the flowers most popular with small gardeners (chrysanthemums, sweet peas, dahlias and roses). The products are issued in cardboard cartons, each 5½ in. x 3¾ in., facilitating display on counters, The packs are printed in four colours, and each features the flower the Plantoid is designed to feed.

Cut-flower Livener.—Winton Laboratories, Ltd., Thames Street, Kingston-on-Thames, Surrey, offer in their speciality Florette a product claimed to give, in the stated doses, the nourish-



ment to cut flowers which they cannot receive when placed in water in a vase. Vase life is prolonged (usually doubled). The pack is a plastic bottle claimed to last for months in an average household. Florette is available through Sangers, Ltd., and associated companies; Thornton & Ross, Ltd., Huddersfield; Bradley & Bliss, Ltd., Reading; H. B. Dorling, Ltd., Dagenham, Essex, and O'Ferrall of Surbiton, Ltd., Surbiton, Surrey.

SUNDRIES

Syphon in Matt Finish.—To meet a demand stimulated by the Sparklets stainless-steel refillable soda syphon, British Oxygen Co., Ltd., Hammersmith House, London, W.6, are intro-

ducing a new model with a contemporary matt satin finish in addition to the mirror-finished model. All stainless steel models are now available with matching red or black head and drip tray.

Washing-up Sachet.—What is claimed the first-ever sachet containing washing-up liquid is offered by Gemma Burnett Beauty Products, Wynford Trading Estate, Acocks Green, Birmingham, 27. The product, Gem, contains in each sachet ½ pint of liquid. The sachet, 6½ in. in diameter, is 7½ in. long.

Antimicrobial Test Kit.—Testab D, a complete, pocket-size kit for determining antimicrobial levels accurately, simply and quickly, is available from Elanco Products, Ltd., Broadway House, Wimbledon, London, S.W.19. Each kit contains a bottle of 100 paper discs impregnated with bacterial spores, food medium and reducible blue dye; ten incubating strips; transparent adhesive tape; and ten pipettes. The only other requirements for operating the kit are light, tap water and a small quantity of test material. A test can be completed within 100 minutes. Antimicrobial levels are determined by observing the colour change of the discs. When the discs are moistened with water and incubated, the spores become active and grow. The blue dye then becomes colourless and the discs turn white. When test materials are used that contain antimicrobials at the proper concentration, the spores do not germinate, and the discs remain blue.



MANUFACTURERS' ACTIVITIES

Excursion to a Wholesaler. — Forty members of the Tunbridge Wells and District Pharmaceutical Association recently visited the premises of Macarthys Pharmaceuticals, Ltd., Romford, Essex, where they were shown the wholesale depôt at North Street. They saw the offices and warehouse supply the requirements of retail and hospital customers of the company in the Essex and East-London areas, and showed particular interest in the Adrema invoicing installation. They also visited Chesham House, a new 45,000 sq. ft. building housing the Group's headquarters offices and pharmaceutical manufacturing and packaging laboratories. A variety of modern accounting machines were demonstrated, as was the way in which the thousands of invoices received daily from the company's six depôts are sorted, entered and filed. In the pharmaceutical laboratories they were shown the new tableting section, manufacturing departments, packaging floor, extemporaneous preparation dispensary, sterile filling room and analytical control laboratory. After the tour of the premises they saw two films about the pharmaceutical industry. The proceedings ended with an evening meal which was served in the company's canteen and attended by members of the company's staff.



Mr. R. W. Jessiman (works director) shows visiting Tunbridge Wells pharmacists a cream-mixing machine.

Veterans by the Hundred.—The supply of qualifiers (those with twenty-five years' service) for Allenburys' Veterans' Club seems inexhaustible. At this year's dinner for long-service personnel of Allen & Hanburys, Ltd., held in London on May 15, there were eight "enrolments," suitably acknowledged. Of the total of 269 diners, 126 were veterans actively engaged with the company and 121 were retired veterans. Representing the company's Ware mills came twelve people who had completed fifty years of service before retiring, twenty-five whose total was forty years, six with twenty-five, plus seventeen still serving after forty years and thirty still serving after twenty-five years. The Bethnal Green works provided seventy-five retired veterans, of whom six had completed fifty years, thirty-nine, forty years and thirty, twenty-five years, while those still in employment with the company comprised twenty-four with forty years of service and forty-five with twenty-five years. The Vere Street pharmacy had six representatives, three still active after forty years and one after twenty-five years, one retired after forty years and another after twenty-five years. From other depôts came three whose total service was ninety years. The veteran directors numbered four with twenty-five years of service and one retired director, also with twenty-five years to his credit. Awards were made to six people who had completed forty years of service during the previous twelve months (Misses E. Johnson and E. D. Reynolds; Messrs. J. F. Baugh, S. Leon, L. F. Baker and J. Lord. The guests included Sir Alan Wilson (chairman of the Glaxo group), Dr. J. Carmichael (chairman of Murphy Chemicals, Ltd.), Dr. H. E. Heitz (managing director, Allied Laboratories, Ltd.) and Mr. W. M. Clayson (a former director of Allen & Hanburys, Ltd.).

WADDING OUTPUT TO BE DOUBLED

A £1·9-million expansion programme inaugurated

THE third cellulose wadding machine built for Kimberly-Clark, Ltd., at Larkfield, Kent, was officially opened by Mr. J. R. Kimberly (chairman of Kimberly-Clark, Ltd. and Kimberly-Clark Corporation of America) on May 26. Part of a £1·9-million expansion programme, the new machine is expected to double the company's manufacturing capacity of cellulose wadding. Also included in the expansion is a new warehouse to handle the increased volume of disposable paper products made from the cellulose wadding (at the adjoining converting factory). The new machine is run by a crew of only seven men and is designed to produce a ton of wadding every 18 minutes.



Mr. J. R. Kimberly (left) seen with Mr. D. Vidler (works director, Kimberly-Clark, Ltd.), after the opening ceremony.

The company state that the expansion programme is a direct result of the phenomenal growth in the past decade of the market in paper products—now valued at around £30 millions (£45 millions including sanitary protection), representing an annual expenditure of over 35s. per household. Facial tissues have shown the greatest rise and since 1960 have grown at an average rate of 25 per cent. a year until today it is worth nearly £9 millions. Bearing in mind that in the United States seven boxes of tissues are sold per head of population each year they believe the boom has only just begun since Britain now uses 1·5 boxes.

Although 90 per cent. of users use tissues for colds, it is estimated that 40 per cent. of women users use them for cosmetic purposes, 80 per cent. of mothers for baby care and 60 per cent. of car owners in their cars. The company state that summer sales are now higher than winter sales of three years ago.

In the £20-millions a year toilet paper market they believe that soft tissue is fast taking over from the hard variety and that 70 per cent. of soft tissue rolls sold are in colour.

TRADE NOTES

Size Change.—E. R. Squibb & Sons, Ltd., Regal House, Twickenham, Middlesex, are replacing the present 8-oz. pack of Graneodin ointment with a 200-gm. jar; there is no change in price.

Discontinued. — West-Silten Pharmaceuticals, Ltd., 9 Palmeira Mansions, Church Road, Hove, 3, Sussex, have discontinued the 1,000-tablet pack of Silbephylline. The packs of twenty-five, 100 and 500 continue available.

A Name Corrected. — The product Penbritin (manufacturers Beecham Research Laboratories, Ltd., Great West Road, Brentford, Middlesex) is correctly spelled as here given (not as unfortunately misprinted in this column recently).

Nutritional Supplements. — J. I. Rodale & Co., Ltd., Chestnut Close, Potten End, Berkhamsted, Herts, are suppliers of vitamin preparations; cod-liver oil capsules; sunflower-seed oil; Hi-pro liver and desiccated liver, and brewers' yeast in tablet and powder form.

Reduced-price Offer. — International Chemical Co., Ltd., 12 Chenies Street, London, W.C.1, state that for the first time they are offering their Kolynos tooth-paste (super-white, chlorophyll and fluoride) in a "threepence off" promotion. Display material is available.

Distributos in Ireland. — Rêve de Paris Cosmetiques, Ltd., 6 Orwell Road, Rathgar, Dublin, 6, has been appointed distributor in the Republic of Ireland for Balto foot balm and Gonne pain-relieving balm. Both products are produced by Lane Pharmaceuticals, Ltd., Gloucester.

A Proprietary Series. — Dentifoam denture cleaner, Nilbite, Simpson's liniment and foot ointment, Clearspecs tissues, Pylatum ointment, regulators and double treatmcnt are currently available from Branded Pharmaceuticals, Ltd., 245 Kings Road, South Harrow, Middlesex.

The "Official" Product. — My-San dressing corresponds to the official gauze (tulle) neomycin and bithional recently included in the Drug Tariff, state the manufacturers, Nu-San, Ltd., 72a Shakespeare Street, Nottingham (United Kingdom distributors Martindale Samoore, Ltd., 61 Welbeck Street, London, W.1).

"By Return." — The Jayskin two-way-stretch surgical elastie hosiery, made in cotton or nylon to National Health specification and packed in attractive wallets, is offered by Wood Bastow (Elastics), Ltd., Dove Green, Selston, Notts, as "made to measure hosiery dispatched by return." Self-measurement forms and fitting guides are available from the company.

Delays in Deliveries.—Demand for the new range of Robinson's instant foods has been so great, say the manufacturers, Keen, Robinson & Co. (branch of J. & J. Colman, Ltd.), Carrow Works, Norwich, Norwich 75A, that there may be delays in deliveries during the next few weeks. Manufacturing capacity is being increased.

Not Subject to Poisons Control. — United Chemists Assoeiation, Ltd., Ucal Works, Cheltenham Spa, Glos, state that the formula of Ucal toothache drops was changed some time ago, omitting the chloral hydrate. The drops are thus not subject to PI, S.4B of the Poisons List and Rules and may be sold without reserve. Any pharmacists in possession of stock prepared to the old formula may have the material changed.

Trade-mark Transfer. — Modkem, Ltd., 61 King Richards Road, Leicester, announce that, in order to eliminate confusion with the trade mark Myolgin, used by Allied Laboratories, Ltd., 140 Park Lane, London, W.1, their unregistered trade mark Myalgin has been assigned to that company. Messrs. Modkem's tablets and cream, formerly marketed as Myalgin, are being marketed as Kemalgin tablets and cream.

Sheep Vaccination Costs Cut.—New recommendations made by Burroughs Wellcome & Co., 183 Euston Road, London, N.W.1, at the beginning of June will halve the cost of vaccinating sheep against the seven clostridial diseases with Covexin combined vaccine. Progressive improvement of the vaccine has made possible as economical a routine as an initial dose of 5 mils followed by two doses of 2 mils. Assuming the productive life of a ewe to be four years, the average cost per dose of the new 5-2-2 system works out at only 8½d.—little more than the cost of protecting against a single disease. Covexin, introduced in 1961, is active against lamb dysentery, pulpy kidney, struck, braxy, blackleg, black disease and tetanus.

Roll-on Shave Lotion. — Old Spice pre-electric shave lotion is offered by Shulton (Great Britain), Ltd., 100 Brompton Road, London, S.W.3, to make the bristles dry so that they "stand right up into the razor's mesh."



TRIPLE AND SINGLE PACKS: Flat pack in single white, yellow, pink and soft blue or similar economy "three-pack" of Delsey toilet tissue of Kimberly-Clark, Ltd., Larksfield, Maidstone, Kent.

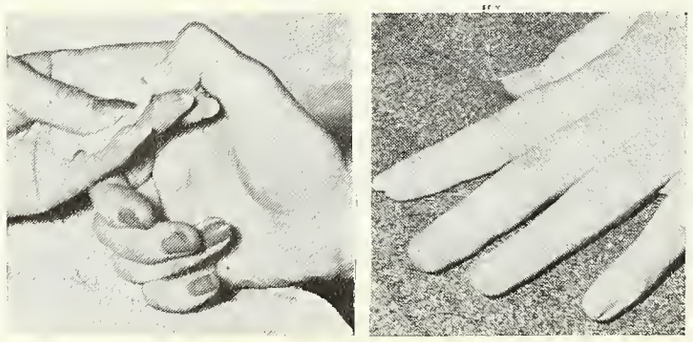
A Range of Pharmaceuticals.—In addition to products introduced in 1964, Marshall's Pharmaceuticals, Ltd., 17 Henrietta Street, Strand, London, W.C.2, are the manufacturers of other pharmaceutical specialities for a variety of purposes. They include Andromar retard 100 and 200 (in pack of two 1-mil ampoules each containing 100 mgm. or 200 mgm. of testosterone cyclohexyl propionate); Cardine brand visnadine oral vasodilator in bottles of fifty and 250 25-mgm. tablets; Clorased (pentrichloral) sedative and hypnotic in bottle of twenty tablets; Femalone 25 (pack of two 1-mil ampoules each containing 25 mgm. of testosterone cyclohexyl propionate); Flacitran (flavonic magnesium chelates) in box of thirty sachets, and bottle of 100 tablets; Hydeplet diuretie capsules in bottle of twenty - five; Hepacort Plus percutaneous cream in tube and suppositories, containing 2,000 international units of heparin and 2 mgm. of hydrocortisone acetate in 2 gm. of the cream or one suppository; Marsolone (prednisolone) and Marsone (prednisone) in bottles of thirty, 100 and 500 1-mgm. or 5-mgm. tablets; Menolet (5 microgm. of ethinyl œstradiol and 5 mgm. of methyl testosterone per tablet) in strip pack of thirty; Pamol (paracetamol 0·5 gm.) in packs of twenty-five, 250, 1,000 and 5,000; Pregornot Sublets in strip-pack of three for pregnancy testing; and Trimone retard (trioestrine retard) in pack of two 1-mil ampoules for menopausal conditions.

Bonus Offers

BAYER PRODUCTS COMPANY. Lenium (4s. 9d. size) thirteen invoiced as twelve. Until June 30. Display material available. Inquiries to sales manager, pharmaceutical sales division, Surbiton-upon-Thames.

CARTER BROS., Glen Laboratories, Shipley, Yorks. 10s. additional discount on order for 6 doz. 1-pint Glen sunflower-seed or Carter's soya-bean oils or twelve 1-gall. eans of either. Until July 31.

G. T. FULFORD CO. (U.K.), LTD., Cornwall Road, Hatch End, Middlesex. Prodan germicidal surfactant. Twelve invoiced as eleven (free bottle tax free). Till July 11.



A TECHNIQUE OF NAIL CARE: Using Nail-beauty gel coated over a damaged nail the new nail is painted with a stabiliser. In 3-5 minutes the new nail is hard enough to trim to the desired length and shape. The right - hand pieture shows nail of forefinger after treatment (in strong contrast to the shortness of the other finger nails). The pictures were taken at a reeent demonstration in London by Lumanda, Stanion Road, Brigstock, Northants.

INFORMATION WANTED

The Editor would appreciate information about:

Dimurex pile ointment and suppositories.

Taffetas perfume (Shubeth)?

MSD

standard steroids
to meet prescriptions

Prednisolone tablets, BP, BNF

Prednisone tablets, BP, BNF
('Deltacortone' Brand)

Cortisone Acetate tablets and injection

Hydrocortisone ointments and lotions
('Hydrocortone' Brand)

Hydrocortisone tablets and injection
('Hydrocortone' Brand)

Cortisone and Hydrocortisone were first synthesised in the Merck Sharp & Dohme Research Laboratories.
Ask for Steroid order forms detailing the full MSD range.

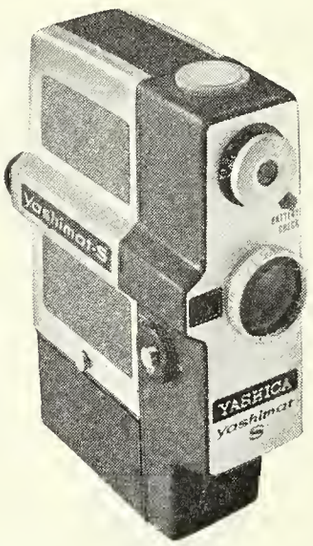
Merck Sharp & Dohme Limited, Hoddesdon, Herts MSD **Hoddesdon 4511**

IMPORTANT NEW CAMERAS BY YASHICA

Yashimat S

Slim line 'aim and shoot' cine camera with automatic exposure control by CdS meter. F/1.8, 10mm. Yashinon 'universal focus' lens. Optical viewfinder. Electrically driven film transport with battery tester. Built-in A/D filter. Single frame exposure release.

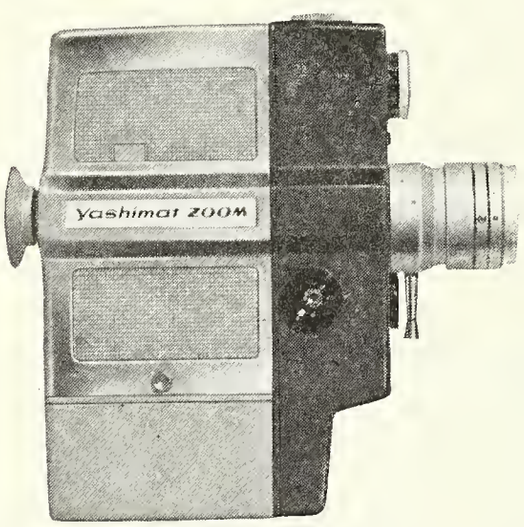
Price: £27.10.0 inc. P. Tax.



Yashimat Zoom

Only 6" × 6" × 1¾", weight only 2-lbs. f/1.8 Yashinon Zoom lens 9-27mm. Reflex viewfinder with microprism focusing. Fully automatic exposure control (CdS meter). Electrically driven film transport with battery test circuit. Built-in A/D filter.

Price: £49.15.0 inc. P. Tax.

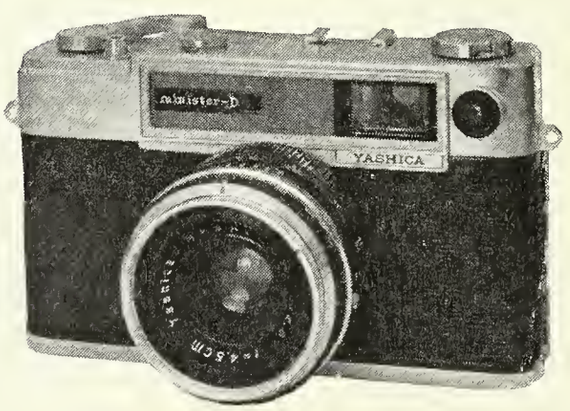


Minister D

35mm. camera with coupled rangefinder and auto-parallax corrected brightline finder. F/2.8 Yashinon 5-glass lens. Copal shutter 1-1/500th fully synchronised. Speeds and iris cross coupled in LV system. Built-in meter of 'Genie-Eye' CdS type, has extraordinary sensitivity and selectivity of reading due to use of **three** CdS resistors.

Price: £33.14.3 inc. P. Tax.

E.R. Case £3.0.9 inc. P. Tax.



PHOTAX

70 Charlotte Street, London, W.1. and
Brampton Road Trading Estate, Eastbourne.
16 The Grafton Arcade, Dublin.

Correspondence

Letters when received must bear the name and address of the sender, not necessarily for publication. The Editor does not hold himself responsible for the views expressed.

Statements Accepted

SIR,—In view of the publicity you have given to a report of disciplinary action by the Cumberland Executive Council, you may feel inclined to add a paragraph published in the *Whitehaven News* of May 28:—

THE committee accepted the statements of the representatives of the firm as to the severance of all connections between the manager of the branch concerned and the firm. The committee were also satisfied that the representatives of the firm had no knowledge of the alterations to the prescriptions and that any differences of opinion and pressures which may have been exerted between the firm and the manager of the branch concerned, were the result of business difficulties and related to administration of business.

PRO-CONTRACTOR

Valediction

SIR,—It now seems inevitable that a large number of pharmacies will soon open and close their doors for the last time. Retail pharmacy must face the fact that the Government, in typical bureaucratic fashion, will give with the right hand and take away with the left, for

There's little in 'larder
But grit for our teeth.
We're buttered by Barber,
But battered by Heath.

Take Barber. Our request is £9 millions. He suggests £3 millions. Will we get £6 millions? We'll be lucky if we do. Take Heath. Does anyone seriously think that his Bill can be anything else but very detrimental to retail pharmacy? Yes, sir, the battering and the buttering will mass a bitter pill. In our own case the rise of the cut-price stores, plus the ever-increasing number of people owning cars, plus the excellent public transport to two large supermarket centres are all the writing on the wall. Unlike Belshazzar, we need no Daniel to interpret. The word delineated is "FINIS." Our turnover is far below the level at which a small-to-medium business is saleable. It is a clear case of move out or pack in. The great problem is, of course, which? Apart from the personal problem, there are three other serious considerations:

1. When we close, many clients who are elderly, infirm or chronically ill, will encounter inconvenience, even hardship.
2. A loyal staff . . .
3. Shop fittings . . . equipment . . . stock.

We have solved Nos. 2 and 3, and I hope to outline our solution during the next two or three weeks, for it might be of interest to others. No. 1 has been created partly by the public themselves and partly by the spiv-like activities of the supermarket tycoons, *and there is nothing I can do about it.* We shall say adieu to our loyalists with mutual regret, but there is a time for everything, and this is the time for departure and farewell. INDEP

Salary Anomalies

SIR,—Looking through the current edition of the *C. & D.*, I notice two advertisements (p. 33). One is for a senior pharmacist required at a teaching hospital and offering a commencing salary of £851. The other is for a deputy superintendent for resolving problems in pricing prescriptions at a commencing salary of £1,125. As an onlooker, this seems a cock-eyed valuation to me.

H. LATTIMER,
Epsom

Appeals to Irish Voters

SIR,—May I urge chemists in Ireland to give recognition to the excellent work put in by Messrs. Thornton, Ferguson and Fielding on the committee of the Irish Drug Association by returning them to office in the election on June 15. The sound views of Mr. Thornton and his progressive ideas have enabled the Association to overcome many problems facing chemists in Ireland today. Mr. Ferguson has given freely of his services through the years and has the interest of the Association very much at heart. He is sparing no effort to reach further agreement with wholesalers and distributors on preferential discounts for pharmacists and generally to improve the public image of pharmacy by placing emphasis on the professional aspect of chemists' work. He is anxious to see patients given choice of chemist in the proposed new health scheme. Mr. Fielding's outlook is similarly progressive. IDALIST

SIR,—On behalf of the Local Pharmaceutical Associations of Ireland represented at the national conference held in Athlone recently, I wish to request the support of your Irish readers for the following panel of candidates selected by the conference to contest the coming Irish Drug Association election:—Messrs. D'Alton and Fox (who are out-going members and whose past dedicated service as members of the executive and of their own local associations warrants their re-election), Miss Harnett and Messrs. Kennedy, McGee, Conway and Fleming, who are new candidates and who were considered by the conference as being representative of the entire country and well suited to bring about a new deal for Irish pharmacy to which the members of the panel are committed. A vote for each member of this panel will be to the advantage of Irish pharmacists. P. M. GUERIN,

Corresponding Secretary,
MIDLAND PHARMACISTS FEDERATION

Candidates' Thanks

SIR,—May I ask for just a few lines of your space to give my sincere thanks for the support given in the recent Council election by those who gave their encouragement and votes, also to those old colleagues and well-wishers who have since written or telephoned. It will not always be easy to take time off for Council work, but the time will be willingly given in a sincere endeavour to serve the best interests of pharmacy. KEITH JENKINS,
Bovingdon, Herts

SIR,—I wish to thank those members of the Society who voted for me in the recent Council election. I hope they will keep me informed of their views and help me with their advice so that I may truly represent them at the Council meetings. JOHN A. MYERS,
Edinburgh, 3

SIR,—May I, through the courtesy of THE CHEMIST AND DRUGGIST, express my sincere thanks to all those members who voted for me in the recent Council election. I have been much heartened by the many kind letters I have received and which I shall reply to personally. TOM REID,
Haslemere, Surrey

SIR,—May I, through your columns, express my sincere thanks to all those who supported me in the Council election. W. JOHN TRISTRAM,
Liverpool, 1

Constitution of Council

SIR, — We feel that the following comments, which are an expression of opinion of the members of the Enfield Branch of the Pharmaceutical Society on the proposed changes in the Council's constitution, may be of general interest to your readers. The statement was approved at the annual meeting of the Branch and has been sent to the Council.

STATEMENT

MEMBERSHIP of the Council carries with it a responsibility to be guided in all actions by a sense of duty to the profession as a whole. If that is accepted, sectional representation can be supported only as a means of guaranteeing that the views of each section will be heard by the Council, since the representative will not necessarily be voting or influencing his Council colleagues in what might appear to be the best interests of his own section. We are sure that, whenever issues arise in Council business that might affect a particular section rather than the profession as a whole, then the Council seeks the views of the organisation representative of that branch, and acts in the light of their observations. We cannot see, therefore, why it is necessary for each section to be actually represented on the Council. If, in spite of these views, a closer link should be deemed desirable by the Council, representation should be extended to cover every section of pharmacy, including proprietors (who may not, at some future date, be a majority section) and employees (who, until this year, despite their numbers, have failed to gain the apparently "essential" voice on the Council).

These general remarks concern the proposals as a whole, but we would comment in particular on two aspects of the matter:—

(i) The proposal to include three nominated members representing educational in-

stitutions. While fully accepting the essential contribution that educationalists have to make on educational matters, we are unable to see how they can have any claim to a privileged voice on general pharmaceutical affairs (we are assuming that they will be eligible to sit on all committees and to vote on controversial questions). The point is given added importance by the fact that the proposal, as framed, does not even require the nominees to be pharmacists. The Society's educational policy is already, of necessity, formulated with the full co-operation of the educational institutions, in particular through meetings with the heads of the schools of pharmacy. A closer liaison could be achieved, if really necessary, by co-opting the three nominees on to the Council's Education Committee and giving them the right to address the full Council on educational matters.

(ii) The proposals concerning representation for Co-operative society and public company superintendents. This is claimed to be a " link with pharmacy ownership " and " to ensure that the interests of the owners have a channel of expression in the Society." Both bodies are necessarily in pharmacy for what they can take from it and any contributions they will make will be influenced entirely by whether the results will bring a financial reward. This must be so or they will be failing in their duty to their shareholders. Their views should, of course, be heard, and their co-operation sought on all matters that can be of mutual benefit, but there is no place for a direct voice, and vote, on the Council. Already consultation is achieved with bodies such as the Company Chemists' Association, which are able enough to make their views known.

We also feel a situation might arise where there was a dispute between the Society and the company employing the superintendent representative. That would place the superintendent in an invidious position as, unlike a proprietor Council member in a similar situation, he is not in sole charge of his company's actions, and may be required by his company to answer the Society's criticisms through the normal channels of correspondence. Under these circumstances his only action must be to retire from the meetings at which the dispute is discussed by the Council, thus withdrawing the " representation " of the companies.

To sum up, we consider that the Council, as at present constituted, is a democratic body. Its members are elected by pharmacists for their policies on the whole profession, and they would be disregarding their responsibilities to the voters if they failed to invite and note the views of sectional interests on all major issues affecting pharmacy. In our view the proposals upon which we have been invited to comment would add nothing to the status or functioning of the Council, and, for the reasons we state, might detract from its value.

J. D. TOMBS, *Secretary,*
Enfield

SCOTTISH DEPARTMENT EXECUTIVE

Candidates for election as members

THE following members of the Pharmaceutical Society resident in Scotland are presenting themselves for election to the Executive of the Scottish Department. Voting papers were issued on June 4 and must be returned by June 16.

MR. ROBERT ANDERSON, Glasgow.—Qualified 1933. Proprietor pharmacist. A member of the Executive since 1961 and a former chairman, Glasgow and West of Scotland Branch. A member of the executive committee of the Scottish Pharmaceutical Federation and of the Proprietary Articles Trade Association. A past president, Glasgow Pharmacy Club and a member, Dunbartonshire Pharmaceutical Committee.

MR. ROBERT ARTHUR BRODIE, Edinburgh.—Qualified 1950 after an apprenticeship in private retail pharmacy. Has held three managerial posts in Edinburgh with Boots, Ltd., since 1954, and is currently manager at Earl Grey Street. Has served for past seven years on the committee of the Edinburgh and South-eastern Scottish Branch and was one of a panel of speakers who addressed the Branch on opportunities in retail pharmacy. Assistant secretary to the local committee. British Pharmaceutical Conference, Edinburgh, 1964. Mr. Brodie also serves on one of the Conference subcommittees.

MR. ALEXANDER COWAN, Bannockburn.—Graduated in pharmacy from Glasgow University 1944. A Fellow of the Pharmaceutical Society. (Qualified 1945.) A partner in A. & E. A. Cowan, Bannockburn and Cowie. A member of Executive since 1958 and present vice-chairman. A past treasurer, Stirling and Central Scottish Branch, former editor of its *Monthly Review,* and *ex-officio* a member of its committee. Chairman, Stirling and Clackmannan Pharmaceutical Committee and a member, Stirling and Clackmannan Executive Council. An *ex-officio* member, Pharmaceutical General Council (Scotland) and of its Standing Committee.

MR. RONALD SINCLAIR DUNCAN, Dundee. — Qualified 1944. Served in R.A.M.C., 1945–48. Assistant pharmacist with C. S. Jolly, Broughty Ferry, until 1951, when he became proprietor of a pharmacy at Dundee. A member, Pharmaceutical General Council (Scotland). Chairman, Dundee and Eastern Scottish Branch of the Society and secretary, Dundee Pharmaceutical Committee. Mr. Duncan is a former chairman, Dundee Retail Pharmacists' Association.

MR. ANDREW LAWRIE DUNLOP, Kirkcaldy.—Qualified 1944. Experience mainly in retail pharmacy but spent a short time in wholesale and manufacturing. A proprietor pharmacist for past eight years. A member of the committee, Fife Branch. Since recently a member of the executive, Scottish Pharmaceutical Federation.

MR. JAMES HAY HENDERSON, Edinburgh. — Apprenticed at Edinburgh Royal Infirmary. Qualified 1945. After experience in retail and hospital pharmacy served his period of National Service in the R.A.M.C. followed by a period as relief manager with a multiple concern. Passed the Pharmaceutical Chemist Qualifying examination after further study at Heriot-Watt College. Gained further hospital and manufacturing pharmacy experience before becoming manager of T. & H. Smith, Ltd. (wholesale branch). Immediate past-chairman, Edinburgh and South-eastern Scottish Branch of the Society, and vice-chairman, local committee for the British Pharmaceutical Conference, Edinburgh, 1964. Mr. Henderson is a Fellow of the Pharmaceutical Society.

MR. ALEXANDER MCINTYRE MCKELLAR, Cowdenbeath.—Qualified 1928. A member, Fife Pharmaceutical Committee and Fife Executive Council. A member of the executive committee, Scottish Pharmaceutical Federation. A former bailie of Cowdenbeath and at present a judge of police. A justice of the peace for the county of Fife.

MR. JOHN MACPHERSON, Ardersier.—Qualified 1932 from Royal Dispensary School of Pharmacy, Edinburgh. Elected to Executive 1961. Secretary and treasurer, Northern Scottish Branch, and a past-chairman, Inverness and District Pharmacists' Association. A member, Inverness Pharmaceutical Committee. Served in R.A.M.C. during 1939–45 war. Mr. Macpherson is a justice of the peace for the county of Inverness.

MR. WILLIAM ALEXANDER PARK, Aberdeen.—Served apprenticeship with late William Watt, Aberdeen. Went to Davidson & Kay as unqualified assistant, rejoining them, after qualifying in 1922, for a further period before commencing in business on his own. When Davidson & Kay became a private company was invited to join, eventually becoming managing director and superintendent. Has been a member of the Executive for fourteen years and its chairman for two. Was treasurer, Aberdeen and North-eastern Scottish Branch for twenty-one years, its vice-chairman for two years and chairman for three. Was treasurer of the local committee, British Pharmaceutical Conference, Aberdeen, 1955. A former president, Aberdeen Pharmaceutical Association. Served for a short period as a member of the Society's Council.

MR. KENNETH SCATCHARD, Glasgow.—Qualified 1963. Proprietor pharmacist for sixteen years. A member, Pharmaceutical General Council (Scotland): past-chairman, Glasgow and West of Scotland Branch, and a member of the Glasgow Pharmaceutical Committee.

MR. WILLIAM SOMMERVILLE TAIT, Penicuik and Edinburgh. — Qualified 1945 from Heriot-Watt College, after practical training in retail pharmacy. Later obtained Society's Diploma in Biochemical Analysis. In business in Penicuik since 1949, formerly as partner and now as sole proprietor. A member of the Scottish History of Pharmacy Committee and of the local committee, British Pharmaceutical Conference, Edinburgh, 1964. Chairman, Edinburgh and South-eastern Scottish Branch.



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Every Polaroid sunglass lens uses a unique optical principle known as polarization. It actually prevents the horizontally reflected light from reaching the eyes. Outdoors in bright sunlight, blinding glare from roads, water, snow, or the bonnet of a car is eliminated. As a result, your customer sees more—he sees everything with greater eye comfort and safety.

You can make the glare test right in your shop. We can't think of a better (or easier) way to sell Polaroid Sunglasses.

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It will provide a terrific additional fillip to 'SAXIN' sales during your peak selling season.

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RTNIGHT'S HOLIDAY FOR TWO
ARBADOS travelling both ways by
C jet and staying at a luxury beach-
hotel. All inclusive.

s £100 spending money!

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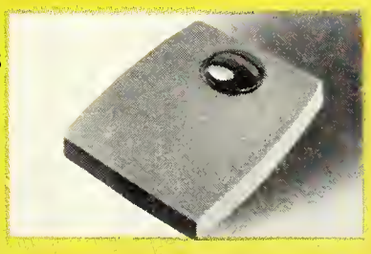
00 SECOND PRIZES

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00 THIRD PRIZES

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attractive
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Beautiful hair all day every day. That's the Breck Look. And here's how you can have it. Get to know Breck hair beauty products. There are Breck Shampoos for Dry, Oily or Normal hair, and Breck Elimin Shampoo for dandruff treatment. Breck Hair Set Mist comes in three types, Gentle Hold, Regular Hold and Super Hold. Study your hair and your personal style, and see what Breck can do for you. That's how the thinking woman comes to take everyday hair confidence for granted.

BRECK SHAMPOOS. There's a Breck Shampoo to lend dryness, correct coldness, or maintain the natural balance of oils in normal hair. One of these is right for your hair ■ dry ■ oily ■ normal. Available in sachets and bottles.



BRECK ELIMIN SHAMPOO. The most elegant woman you know may be secretly fighting a dandruff problem. Someone knows, if she's discovered Breck Elimin Shampoo. Used regularly Breck Elimin Shampoo keeps dandruff at bay, and gives a hair beauty treatment at the same time. Available in sachets and bottles.



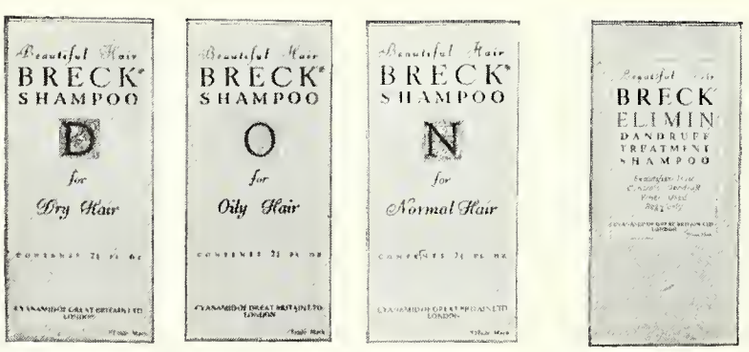
BRECK HAIR SET MIST. There's a Breck Hair Set Mist to suit your hair and your hair style. Gentle Hold for soft, casual hair. Regular Hold to suit most hair types and styles, and Super Hold for hard-to-hold hair styles. Enjoy shining hair confidence all the time with Breck Hair Set Mist. ■ Gentle Hold ■ Regular Hold ■ Super Hold.



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The CHEMIST AND DRUGGIST

For Retailer, Wholesaler and Manufacturer

ESTABLISHED 1859

Published weekly at
28 Essex Street, Strand, London, W.C.2

TELEPHONE: CENTRAL 6565

Action to Promote Home Safety

At their meeting in London on May 21 Branch Representatives of the Pharmaceutical Society approved a resolution (*C. & D.*, May 30, p. 540) calling for consultations between interested bodies on means of informing the public on the correct handling and storage of poisons and medicines, and the potential hazards associated with many household preparations. Even before the resolution was passed the Council of the Society had commissioned from the Department of Pharmaceutical Sciences a portable exhibit aimed at fulfilling a part of that aim, and the exhibit is being made available to branches on loan.

Now another professional organisation, the British Medical Association, has given added weight to those moves by publishing the results of a statistical survey (price 4s.) into "Accidents in the Home." The survey, which covered non-fatal domestic accidents in seven selected areas of varied nature over a one-year period, had the purpose of accumulating information upon the nature and cause of non-fatal accidents in the home. A breakdown of the 3,346 accidents recorded showed that falls accounted for 1,611; wounds for 782; burns and scalds, 457; crushing, 199; poisoning, fifty-five; and all other causes, 242. Though poisonings accounted for a relatively small proportion (1·7 per cent.) of the total number of accidents, it is sad to learn that no less than forty-six involved children under five years of age. Causative agents among the forty-six were: Tablets, fourteen; liquid internal medicines, six; external medicaments, six; berries, two; cosmetics, two; cleaning liquids, six; paint, paraffin, or turpentine, ten. The most disturbing feature of those figures is that almost every case was capable of having been both foreseen and prevented, since all the manufactured preparations involved could (and should) have been kept out of the reach of young children. The problem is, of course, how to make members of the public aware of the dangers that can beset them and their offspring in their own homes. The biggest obstacle in the way of any campaign to reduce home accidents is, as the report says, the public's lack of interest. "How to awaken interest in a problem which, on the surface, ought to be of personal concern to every householder, is a matter for, among others, the professional publicists." Meanwhile it is pleasing to see that the pharmaceutical profession has been early in making a practical and positive contribution. No matter how thorough is collective action, however, the individual pharmacist's personal warning at the time of handing out the medicine to "keep it out of Johnny's reach" is still the measure that will make the greatest impression on an anxious mother.

Overseas Trade in April

Valued at £4,602,871, United Kingdom exports of medicinal and pharmaceutical products during April were only slightly ahead of those in the corresponding month of 1963 but the total value for the four months January–April has risen from £17·5 millions in 1963 to £19·4 millions this year. During the current year exports of vaccines and sera have been a strong feature but the value shipped during April fell by about £74,000 compared with the previous April.

Nigeria was the largest single purchaser of United Kingdom pharmaceuticals, her shipments being valued at £313,820. Australia came next with £286,053, followed by South Africa with £207,649. Purchases by the Irish Republic, at £193,781, were about £2,000 less than in April 1963, while aggregate sales to countries in the European Economic Community, at £554,149, were down by about £40,000. Exports to European Free Trade Association countries were slightly higher at £439,111.

Imports of medicinal products continued to rise at a disturbing rate during the month. They totalled £700,000 (double the figure for April 1963), whilst the total for the year so far is running over 30 per cent. up compared with the same period in 1963.

Pharmaceutical Products—Exports	£
Sera and vaccines	133,833
Vitamins	65,125
Antibiotics	
Penicillin injections	96,180
tablets, ointments, etc.	49,456
other	326,684
Alkaloids	26,851
Aspirin	92,876
Antihistamines	47,199
Antipaludics	66,852
Barbiturates	32,157
Hormones	173,484
Glycosides	5,143
Ointments, liniments*	107,974
Organo therapeutic glands, etc.*	3,615
Sulphonamides	67,712
Proprietary medicines*	1,297,472
Unclassified medicines*	604,712

Pharmaceuticals in Bulk—Exports	
Vitamins	186,942
Penicillin	154,640
Antibiotics other than penicillin	224,751
Alkaloids	88,913
Hormones	149,561
Glycosides	8,832
Organo therapeutic glands	30,032
Aspirin	55,021
Barbiturates	28,212
Sulphonamides	60,987
Glycerin	23,363
Citric acid	100,551

Pharmaceutical Products—Imports	
Vitamins	41,131
Antibiotics	123,768
Alkaloids	98,977
Glycosides, glands, sera, vaccines	25,018
Proprietary and veterinary medicines	340,776
All other	62,590

* Not elsewhere specified.

NEW BOOKS

Prescription Pharmacy

JOSEPH B. SPROWLS, JUN., PH.D., Editor. *Pitman Publishing Co., Ltd.*, London, and *J. P. Lippincott Co.*, Philadelphia, U.S.A., and Montreal, Canada. 10 x 7 in. Pp. 579. £5 5s.

THIS book follows closely the pattern of "Textbook of Pharmaceutical Compounding and Dispensing," the second edition of which was published in 1955, the most important changes being in the addition of chapters on "Biopharmaceutics" and "Radiopharmaceutics." It must be realised that the book is designed to meet the requirements of the American pharmacist; these differ in certain respects from those which appertain in England. The Editor in his preface says "No longer is the dispensing of prescriptions a test of the pharmacist's compounding skills; rather it is a challenge to his knowledge of dosage forms and his ability to interpret this knowledge for the best interests of the patient." That change is recognised, and the Editor states that "the organisation of the text follows on physicochemical classification." The idea of putting pharmacy on a scientific basis is a sound one, and is followed in most schools of pharmacy today. The present volume, however, results in a strange mixture of the scientific and the superficial. The chapter on "Biopharmaceutics" deals with the questions of adsorption and elimination of drugs, together with doses and frequency of administration. Much of the information could have been presented more clearly in graphic form, nevertheless there is much of value to the pharmacist in the chapter. It is a pity that, in the chapter dealing with isotonic solutions, the worked examples use sodium chloride equivalents different from those given in the accompanying tables. The equivalents used are taken from the earlier volume referred to above. The two chapters on incompatability are exhaustive, and could have been presented in much less space for easier reference by adopting some form of condensation or tabulation. Two other chapters on aerosols and radiopharmaceutics deserve mention as giving useful background information on those relatively recent introductions to the practice of pharmacy. The book is excellently produced and commendably free from typographical errors. It may be recommended as a useful work of reference for the British pharmacist.—*D.C.H.*

John Locke, Physician and Philosopher

KENNETH DEWHURST, *Wellcome Historical Medical Library*, London, N.W.1. 9½ in. x 5½ in. Pp. 331. 42s.

WE are obviously too close to our own great men to be able to assess their proper place in history. The problem does not arise with names like Hippocrates, Galen, Sydenham, Locke and Lister, who are enshrined among the immortals. Further proof of the claims of Locke, if required, is to be found in the publication of yet another book devoted to the life of that great scientist, doctor and philosopher, associate and colleague of such giants as Sydenham, Newton and Boyle. He has been the subject of much research by historians, from the "Life and Letters of John Locke," by Lord King (1829) and the life (in two volumes) by H. R. Fox Bourne (1876). He also attracted the erudite interest of Dr. John Brown, who devoted one of his incomparable essays to Locke and Sydenham. The new work has been stimulated and made possible by the acquisition by the Bodleian Library of a large collection of Locke's papers, many unpublished. From that mass of material Kenneth Dewhurst has undertaken the immense task of reassessing Locke's place in history. He has also, to the great gratification of historians, presented a complete edition of the medical notes in Locke's journal, 1675-98. In his introduction to the work, the author expresses the view that for too long philosophers and literary men have focused all their attention on Locke's philosophy, ignoring his long experience of medicine and science. John Brown, in the essay referred to above, expressed similar sentiments, and would have been the first to welcome Dewhurst's book. According to Brown, Lord King, the biographer of 1829, referred to numerous passages in Locke's diaries devoted exclusively to medical subjects, which he refrained from publishing as unlikely to interest the general public. He referred also to some letters in the possession of Dr. Forster which he, in turn, declined from publishing in what he called "these days of absurd refinement." Brown's comment was that "we would gladly forswear our refinement to have a sight of them; anything that Locke considered worth the writing down about anything is likely to be worth the reading." And now, thanks to the availability of the journals and letters, and the devotion of Dewhurst, we are privileged to see what John Brown was deprived of. From the viewpoint of the pharmacist, the greatest interest probably lies in the prescriptions appearing throughout the journals, for in the pages of this volume may be found the materia medica of the period, made easy for the less initiated by the care taken by the author to translate into modern terms many of the drugs and preparations that would be obscure but for his patient research and annotation. There must be few of the treatments of that age which are not mentioned by the industrious and observant Locke, and the journals illustrate precisely the conditions for which the different preparations were prescribed. All the drugs of the ages appear, from those of earliest times to those others that have survived into our own day. Not a few are of a kind that would no longer appeal to the fastidious. Although the Great Plague was ten years earlier than the period of the journals, frequent reference is made to that dire experience, and Locke's observations are of value in exploding many of the useless theories which had been put into practice by the sorely tried doctors of that far-off time. As a reference book for those interested in the medicine of the seventeenth century Dewhurst's book is invaluable. As a history of the life and times of Locke, with its political involvement, it is fascinating. Dugald Stewart said of Locke that "no science could have been chosen more happily calculated than medicine to prepare such a mind for the prosecution of those speculations which have immortalised his name." Posterity will be grateful to Mr. Dewhurst for the thorough and loving care bestowed on his subject, as we are.—*C.G.D.*

Quantitative Analysis of Drugs (Third Edition)

D. C. GARRATT and others. *Chapman & Hall, Ltd.*, 11 New Fetter Lane, London, E.C.4. 8¾ x 5½ in. Pp. 925. £6 6s.

BECAUSE of the rapid advances in pharmaceutical analysis during the past five years Dr. Garratt has been persuaded to rewrite about half of the previous edition of this work, introducing much new material. Owing to the complexity of the subject the author has obtained the collaboration of three colleagues to assist him. All are well known in their own fields, and there can be no doubt as to the reliability of their contributions, which are based upon their own experience. As with previous editions the main part of the book consists of monographs, arranged alphabetically, in which analytical methods available for each product are reviewed and references to the literature given. The provision of references is a pleasing feature, giving the sources of many official assays and serving to remind the reader of a generation of analytical chemists whose labours, over the past twenty-five years, have transformed the pharmacopœias of the world. Special sections deal with synthetic organic compounds; essential oils; and oils, fats and waxes. Much information has been included in twenty-two appendices dealing with determination of alcohol content, complexometric titrations, non-aqueous titrations, the oxygen-flask combustion technique, the determination of water, extraneous matter in foods and drugs, microbiological assays, tests for sterility, pyrogen testing, interpretation of analytical results, destruction of organic matter, extraction of organic chemicals from viscera, electrometric titrations, flame-photometry, gas chromatography, infra-red spectroscopy, the elimination of emulsions, Lane and Eynon sugar titration tables, Hinton and Macara chloramine sucrose corrections, specific gravity of aqueous glycerol, international atomic weights 1961, and weights-and-measures and conversion tables. A comprehensive subject index is also provided. Pharmaceutical analysis has now reached such dimensions that the author has been forced to make a selection of topics. He has dealt with those coming more particularly within his own experience. In these days, when so many books on specialised aspects of analytical chemistry are available, the reviewer wonders whether some of the space

iven to appendices might not have been better utilised. The brief reviews on some topics, though useful to students, are of little value to the practising analyst, who would need to seek more detailed information elsewhere. There is no doubt however that, like previous editions, the present volume will find a place on the shelves of many reference libraries. In particular it will be a valuable text book for those reading for the B.Pharm. degree, the branch E qualification of the Royal Institute of Chemistry, and the newly established Diploma in Pharmaceutical Analysis. The book is well produced and remarkably free from typographical errors.—*G.E.F.*

Green Medicine

MARGARET B. KREIG, *Rand McNally & Co.*, P.O. Box 7600, Chicago, 80, Illinois, U.S.A. 8¾ x 6 in. Pp. 472. $5·95.

As the title and its subtitle ("The search for plants that heal . . . ") suggest, this is not a textbook but rather an interest story on the use of drug plants from earliest times to the present day. Chapters in the first part of the book give an account of the work of scientists in visiting remote areas to investigate folk medicine and their efforts to obtain samples of drugs used for centuries by primitive people for various ailments. The history of many famous drugs such as quinine, digitalis, curare, chaulmoogra, etc., are contained in chapters making up the second part. The final part linked under the heading "Frontiers of Research" has chapters dealing with (among others), the periwinkle and other plants with promise in cancer; rauwolfia, mental drugs and drugs from the sea. The book is well illustrated using new and old subjects and there is an extensive bibliography. There are references to a handful of British works but the author has leaned heavily on her own country for references. A publisher's note mentions that "research for the work required her travelling throughout the United States, through Peruvian rain forests and to Mexico." "Green Medicine" is a readable and entertaining story and to the pharmacist who has to give a talk on drugs to laymen it will prove the source of much useful material. Those who think that nature is now exhausted of all useful drugs may care to ponder on the following words of a research worker as quoted by Miss Kreig: 'We are going back to nature because, good as the test tube is, it hasn't abolished man's greatest killers and cripplers—cancer, cardiovascular diseases and mental illness."

American Drug Index, 1964

C. O. WILSON and T. E. JONES. *J. B. Lippincott Co.*, Philadelphia, and *Pitman Medical Publishing Co., Ltd.*, 46 Charlotte Street, London, W.1. 8¼ × 5½ in. Pp. x + 772. 55s.

THE 1964 edition of this American publication incorporates drugs included in N.N.D. (New and Non-official Drugs), 1963, and A.D.R. (Accepted Dental Remedies), 1963. Generic names recognised by the United States Pharmacopœia Commission, National Formulary Committee, and American Medical Association Council on Drugs and United States Adopted Names are identified in the new edition by an asterisk. Synonyms in general use are also included. The index is alphabetical with extensive cross referencing and includes, under speciality names, manufacturer, presentation, dosage and uses.

ECHOES OF THE PAST

SMALL POX

From "Primitive Physick: or, an Easy and Natural Method of Curing Most Diseases," by John Wesley, London, 1772.

DRINK largely of *Toast and Water.*

Or, let your whole Food be *Milk* and *Water*, mixt with a little white Bread: Tried.

Or, *Milk* and *Apples:*

Take Care to have free, pure, and cool Air. Therefore open the Casement every Day, only do not let it chill the Patient:

If they strike in, and Convulsions follow, drink a Pint of *cold Water* immediately. This instantly stops the Convulsions, and drives out the Pock: Tried.

"There may be Pustules a second Time, coming out and ripening like the small pox, but it is barely a cutaneous Disorder.

"In violent cases, bleed in the Foot: Bathe the Legs in warm Water twice or thrice a Day, before and at the Eruption; and apply boiled Turnips to the Feet. Never keep the Head too hot.

"In very low depressed Cases, Wine may be given: And if the Pustules lie buried in the Skin, a gentle Vomit. In many Cases, a gentle Purge of *Manna, Cream of Tartar*, or *Rhubarb.*

"In the crude ichorose Small pox, a Dish of *Coffee* now and then with a little thick Milk in it, has often quieted the vexatious Cough.

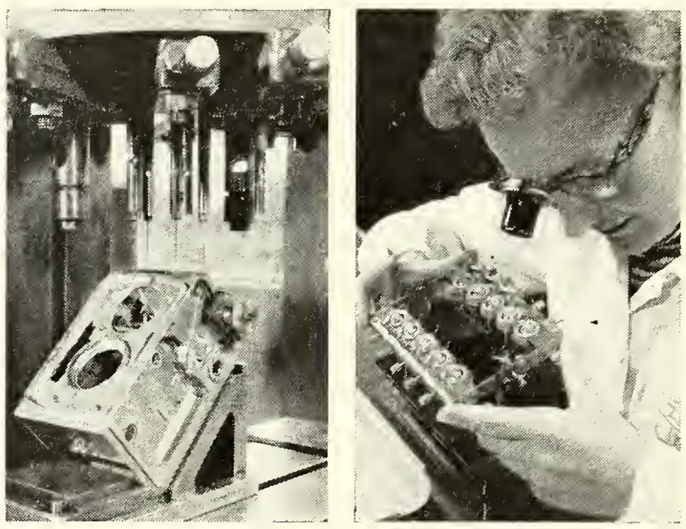
"After the Incrustation is formed, change the Sick: but let it be with very dry, warm Linen."—Dr. HUXHAM.

NEW FILMS

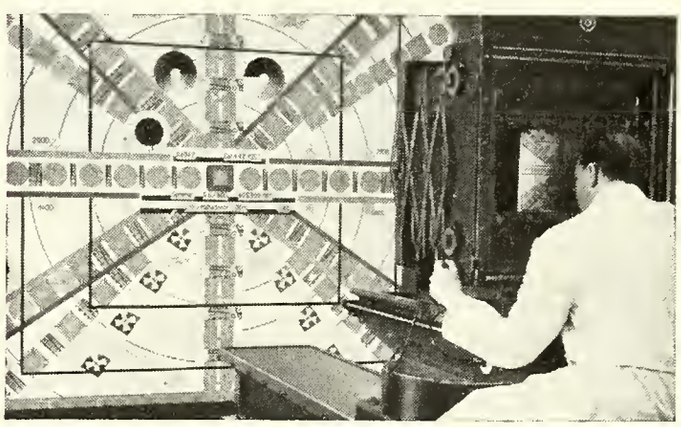
Milestones of Progress

WOLF WEHRAN (producer); OTTO BAUER (photographer). 16-mm. Colour. Optical sound. Running time 25 minutes. Available in Britain through the Rank Film Library, 1 Aintree Road, Perivale, Middlesex.

RECORD of a tour around thirteen firms of the West German photographic industry, the film starts with Photokina 1963. A call is made at the stands of the respective firms, serving as an introduction to each company, its products and plant. The film not only revives the memory of those busy, photo-happy days at Photokina, but also gives detailed information about the German camera industry in general—on its products, and how they are made.



Left: A camera held in a special jig at an angle of 45° for drilling the holes in the reflex mirror chamber. Right: Assembly of a built-in photo-electric exposure meter, one of the most delicate production tasks at the Zeiss Ikon works.



A special camera for testing the picture quality of long-focus or wide-angle lenses. By using a light-box attachment and a white projection screen behind the operator, the camera can be turned through 180° and used at the same time for projection and for testing enlarging lenses. The camera is placed on a heavy iron support nearly 20 ft. long, which is so sturdily designed that the testing board, the lens panel and the focal plane are always absolutely parallel to one another. The picture was taken in the works of Jas. Schneider & Co.

GUIDE TO NEW MEDICAMENTS

Information about proprietary products supplied principally on prescription. Reprints on perforated gummed paper for affixing to index cards are obtainable from the Editor. Notes on the products are given on p. 582.

THE CHEMIST AND DRUGGIST Guide to New Medicaments, June 6, 1964

DISTALGESIC tablets

MANUFACTURER: Dista Products, Ltd., Fleming Road, Speke, Liverpool, 24.

DESCRIPTION: White, pillow-shaped tablets, $\frac{9}{16}$ in. in length and marked DG on one side. Each contains 32·5 mgm. of dextropropoxyphene hydrochloride and 325 mgm. of paracetamol.

INDICATIONS: All types of pain, especially pain associated with recurrent or chronic diseases.

CONTRAINDICATIONS: Hypersensitivity.

DOSAGE: Two tablets three or four times a day. In cases of severe pain three tablets may be taken four times a day.

SIDE EFFECTS: Excessive doses may cause skin rashes, nausea, vomiting or sedation.

HOW SUPPLIED: In bottles of 100 and 500.

SUPPLY RESTRICTIONS: P.I, S.1.

FIRST ISSUED: May 1964.

THE CHEMIST AND DRUGGIST Guide to New Medicaments, June 6, 1964

DISTAQUAINE V-K syrup

MANUFACTURER: Dista Products, Ltd., Fleming Road, Speke, Liverpool, 24.

DESCRIPTION: When prepared (from granules) each 5 mils of orange coloured syrup contains the equivalent of 125 mgm. of penicillin V as potassium salt.

INDICATIONS: Penicillin sensitive infections.

CONTRAINDICATIONS: Hypersensitivity to penicillin.

DOSAGE: *Adults:* 125 to 250 mgm. every four to six hours. *Children:* Half the adult dose.

SHELF LIFE: The prepared syrup will keep for seven days at room temperature.

HOW SUPPLIED: In bottle of 60 mils.

SUPPLY RESTRICTIONS: Therapeutic Substances Act.

NOTE: Dista penicillin V-K syrup (containing 62·5 mgm. of penicillin V potassium salt in each 5 mils after preparation) is also available and conforms with phenoxymethylpenicillin mixture, B.N.F.

FIRST ISSUED: May 1964.

THE CHEMIST AND DRUGGIST Guide to New Medicaments, June 6, 1964

HIBITANE antiseptic aerosol

MANUFACTURER: Imperial Chemical Industries, Ltd., pharmaceuticals division, Fulshaw Hall, Wilmslow, Ches.

DESCRIPTION: An aerosol formulation which delivers 1 per cent. of chlorhexidine diacetate in an isopropanol base, coloured red so that the area of application is easily defined.

INDICATIONS: For the rapid, convenient and efficient disinfection of the skin prior to surgical procedures and injections.

CONTRAINDICATIONS: Should not be sprayed near the eyes.

METHOD OF USE: The spray is held about 6 in. from the skin.

STORAGE: Should be kept in a cool place. Do not puncture or incinerate.

HOW SUPPLIED: In pressurised container of 165 mils.

FIRST ISSUED: January 1964.

THE CHEMIST AND DRUGGIST Guide to New Medicaments, June 6, 1964

HYDROMET tablets

MANUFACTURER: Merck, Sharp & Dohme, Ltd., Hoddesdon, Herts.

DESCRIPTION: Salmon-pink, film-coated tablets each containing 250 mgm. of methyldopa and 15 mgm. of hydrochlorothiazide.

Antihypertensive agent.

INDICATIONS: Hypertension.

CONTRAINDICATIONS: Active liver disease, anuria. Should be used cautiously in patients with history of liver disease. Not recommended in phæochromocytoma.

DOSAGE: Initially 1 tablet two or three times daily. Normal dosage range 2–8 tablets daily.

PRECAUTIONS: *See manufacturer's literature.*

HOW SUPPLIED: In bottles of 100 and 500.

SUPPLY RESTRICTIONS: P.I, S.4B.

FIRST ISSUED: December 1963.

THE CHEMIST AND DRUGGIST Guide to New Medicaments, June 6, 1964

CLORANOX tablets

MANUFACTURER: Marshall's Pharmaceuticals, Ltd., 17 Henrietta Street, London, W.C.2.

DESCRIPTION: Tablets each containing 750 mgm. of penthrichloral and 75 mgm. of butobarbitone.

INDICATIONS: Whenever a safe sedative is required for adults and children and a full night's unbroken sleep is indicated.

DOSAGE: *Adults,* 1 to 2 tablets, one hour before retiring; *Children,* proportionally less.

HOW SUPPLIED: In bottles of sixteen, 100 and 500.

SUPPLY RESTRICTIONS: P.I., S.1., S.4A.

FIRST ISSUED: October 1963.

THE CHEMIST AND DRUGGIST Guide to New Medicaments, June 6, 1964

NORADRAN syrup

MANUFACTURER: Norma Chemicals, Ltd., 198 Finchley Road, London, N.W.3.

DESCRIPTION: Syrup, containing in each fluid ounce 200 mgm. of guaiphenesin, 40 mgm. of diphenhydramine hydrochloride, 400 mgm. of dihydroxypropyltheophylline, and 60 mgm. of ephedrine hydrochloride.

INDICATIONS: Bronchial and asthmatic conditions.

DOSAGE: Two teaspoonfuls should be taken every four hours, or as required.

HOW SUPPLIED: In bottle of 20 fl. oz.

SUPPLY RESTRICTIONS: P.I, S.7.

FIRST ISSUED: November 1963.

THE CHEMIST AND DRUGGIST Guide to New Medicaments, June 6, 1964

PARAQUIN tablets

MANUFACTURER: B.M. Laboratories, Ltd., Suffolk House, Copse Hill, Sutton, Surrey.

DESCRIPTION: Pearl-coated tablets, each containing 500 mgm. of paracetamol and 32·5 mgm. of quinalbarbitone sodium.

INDICATIONS: Relief of pain, particularly when associated with anxiety.

CONTRAINDICATIONS: Not suitable for children.

DOSAGE: *Adults:* One to three tablets, taken 30 minutes before retiring.

NOTES: Because of their low carbohydrate content Paraquin tablets are claimed suitable for diabetic patients.

HOW SUPPLIED: In tubes of twenty-five and 100 and tin of 500.

SUPPLY RESTRICTIONS: P.I, S.1, S.4A.

FIRST ISSUED: January 1964.

THE CHEMIST AND DRUGGIST Guide to New Medicaments, June 6, 1964

PITOCIN buccal tablets

MANUFACTURER: Parke, Davis & Co., Staines Road, Hounslow, Middlesex.

DESCRIPTION: White, flat, bevelled-edged tablets with breakline. 0·25 x 0·55 in. Packed in foil strips endorsed "Buccal Pitocin."

INDICATIONS: Induction of labour in patients with mild eclampsia, post-mature fœtus, membranes prematurely ruptured or failure of surgical induction, rhesus incompatibility, cardiac defects or hypertension, and dead fœtus. Stimulation or acceleration of labour.

CONTRAINDICATIONS: Severe toxæmia, cephalopelvic disproportion, malpresentation of the fœtus and other serious obstetric complications. *Should be used only in maternity hospitals where continuous medical supervision is available.* Oxytocin should not be used simultaneously by more than one route. (*See manufacturer's literature.*)

DOSAGE: *Induction or stimulation of labour:* Dosage must be adapted to the patient's response. Half a 200 unit tablet is placed in the parabuccal space adjacent to the upper molar teeth and the dose repeated after half an hour. Thereafter increments in the dose are made at regular intervals until the desired response is obtained or until a total of 4,400 (22 tablets) has been administered without labour having been established. (*See manufacturer's literature.*)

SHELF LIFE: Three years.

HOW SUPPLIED: In packs of ten and 100 foil-wrapped tablets.

SUPPLY RESTRICTIONS: P.I, S.4B. FIRST ISSUED: April 1964.

THE CHEMIST AND DRUGGIST Guide to New Medicaments, June 6, 1964

CARBO-CORT cream and lotion

MANUFACTURER: Dome Division of Miles Laboratories, Ltd., Stoke Court, Stoke Poges, Slough, Bucks.
DESCRIPTION: Cream and lotion containing 0·25 per cent. of hydrocortisone and 3 per cent. of coal tar solution, U.S.P., in a water-washable, greaseless base.
INDICATIONS: When inflammation and irritation are present in the acute and sub-acute stages (lotion), or sub-acute and chronic stages (cream) of atopic dermatitis, infantile eczema, contact dermatitis, nummular eczema, lichen planus, dermatitis medicamentosa, pruritus and urticaria.
METHOD OF USE: Should be applied to the affected areas two or three times daily or as directed by doctor.
PRECAUTIONS: Should be kept away from the eyes.
STORAGE: In a cool place.
HOW SUPPLIED: Cream in tube of 28 gm. Lotion in bottle of 57 gm.
SUPPLY RESTRICTIONS: Therapeutic Substances Act.
FIRST ISSUED: April 1964.

THE CHEMIST AND DRUGGIST Guide to New Medicaments, June 6, 1964

CARBO-DOME cream and lotion

MANUFACTURER: Dome Division of Miles Laboratories, Ltd., Stoke Court, Stoke Poges, Slough, Bucks.
DESCRIPTION: Cream and lotion containing 10 per cent. of coal tar solution, U.S.P., in a water-washable, greaseless base.
INDICATIONS: Psoriasis.
METHOD OF USE: Should be applied to the affected areas two or three times daily or as directed by doctor.
PRECAUTIONS: Should be kept away from the eyes.
STORAGE: In a cool place.
HOW SUPPLIED: Cream in tube of 28 gm. Lotion in bottle of 57 gm.
SUPPLY RESTRICTIONS: Recommended on prescription only.
FIRST ISSUED: April 1964.

THE CHEMIST AND DRUGGIST Guide to New Medicaments, June 6, 1964

COR-TAR-QUIN cream and lotion

MANUFACTURER: Dome Division of Miles Laboratories, Ltd., Stoke Court, Stoke Poges, Slough, Bucks.
DESCRIPTION: Cream and lotion containing 0·5 per cent. of hydrocortisone, 2 per cent. of coal tar solution, U.S.P., and 1 per cent. of di-iodohydroxyquinoline in a water-washable, greaseless base.
INDICATIONS: When inflammation, irritation and bacterial or fungal infection are present in the acute and sub-acute stages (lotion), or sub-acute and chronic stages (cream) of seborrhœic dermatitis, intertrigo, neurodermatitis, housewife's eczema, pruritus ani and vulvæ, otitis externa and pityriasis rosea.
METHOD OF USE: Should be applied to the affected areas two or three times daily or as directed by doctor.
PRECAUTIONS: Should be kept away from the eyes.
STORAGE: In a cool place.
HOW SUPPLIED: Cream in tube of 14 gm. Lotion in bottle of 14 gm.
SUPPLY RESTRICTIONS: Therapeutic Substances Act.
FIRST ISSUED: April 1964.

THE CHEMIST AND DRUGGIST Guide to New Medicaments, June 6, 1964

TENSANYL tablets

MANUFACTURER: Leo Laboratories, Ltd., 15 Clipstone Street, London, W.1.
DESCRIPTION: Yellow, capsule-shaped tablets each containing 1·25 mgm. of bendrofluazide, 0·1 mgm. of reserpine and 573 mgm. of potassium chloride.
Antihypertensive.
INDICATIONS: Treatment of mild to moderately severe hypertension. Used either alone or in combination with other antihypertensive agents.
CONTRAINDICATIONS: Diabetes; psychotic tendencies; known hypersensitivity to any constituent.
DOSAGE: *Initially:* 1–2 tablets three times daily. *Maintenance dosage:* 1–3 tablets daily.
HOW SUPPLIED: In bottle of 100.
SUPPLY RESTRICTIONS: P.I, S.4B.
FIRST ISSUED: June 1964.

THE CHEMIST AND DRUGGIST Guide to New Medicaments, June 6, 1964

DOMEFORM-HC cream and lotion

MANUFACTURER: Dome Division of Miles Laboratories, Ltd., Stoke Court, Stoke Poges, Slough, Bucks.
DESCRIPTION: Cream and lotion containing 0·5 per cent. of hydrocortisone and 3 per cent. of iodochlorhydroxyquinoline in a water-washable, greaseless base.
INDICATIONS: When inflammation, irritation and bacterial or fungal infection are present in the acute and sub-acute stages (lotion), or sub-acute and chronic stages (cream) of tinea pedis, tinea corporis, tinea capitis, tinea versicolor, moniliasis, impetigo, folliculitis, sycosis barbæ, paronychia, infectious eczematoid dermatitis and pompholyx.
METHOD OF USE: Should be applied to the affected areas two or three times daily or as directed by doctor.
PRECAUTIONS: Should be kept away from the eyes. May stain clothing slightly.
STORAGE: In a cool place.
HOW SUPPLIED: Cream in tube of 14 gm. Lotion in bottle of 14 gm.
SUPPLY RESTRICTIONS: Therapeutic Substances Act.
FIRST ISSUED: April 1964.

THE CHEMIST AND DRUGGIST Guide to New Medicaments, June 6, 1964

LOCABIOTAL aerosol

MANUFACTURER: Selpharm Laboratories, Ltd.
DISTRIBUTOR: Wright, Layman & Umney, Ltd., 46 Southwark Street, London, S.E.1.
DESCRIPTION: Clear solution containing 0·25 per cent. of fusafungine (a fungal antibiotic derived from a strain of *Fusarium lateritium* 437) in an aerosol pack.
INDICATIONS: Acute and chronic bronchitis, tracheitis, tonsillitis, pharyngitis, etc. Infections associated with rhinitis and sinusitis.
CONTRAINDICATIONS: Those of any nebulizer.
METHOD OF USE: *Adults:* Four measured doses 4 times daily. *Children* (over 3 years of age): according to age.
NOTES: Not advised for children under the age of 3 years. No special storage.
HOW SUPPLIED: As a 15-mil aerosol.
SUPPLY RESTRICTIONS: Recommended on prescription only.
FIRST ISSUED: March 1964.

THE CHEMIST AND DRUGGIST Guide to New Medicaments, June 6, 1964

QUENSIL tablets

MANUFACTURER: B.M. Laboratories, Ltd., Suffolk House, Copse Hill, Sutton, Surrey.
DESCRIPTION: Brown, chocolate-flavoured sugar-coated tablets. Each contains 195 mgm. of mephenesin, 195 mgm. of quinine sulphate and 5 mgm. of acetomenaphthone.
INDICATIONS: Relief of night cramps, particularly when associated with excessive sweating.
DOSAGE: One tablet to be taken on retiring for the first ten nights, then one on alternate nights for the next twenty nights; thereafter one tablet twice a week.
NOTES: When excessive sweating occurs, it is suggested that salt be taken concurrently.
HOW SUPPLIED: In tubes of ten and 100 and tin of 500.
SUPPLY RESTRICTIONS: P.I, S.4B.
FIRST ISSUED: January 1964.

THE CHEMIST AND DRUGGIST Guide to New Medicaments, June 6, 1964

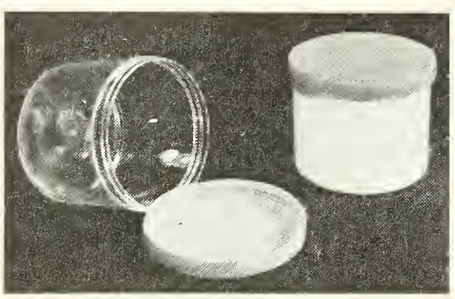
TRIMONE "SUBLETS" tablets

MANUFACTURER: Marshall's Pharmaceuticals, Ltd., 17 Henrietta Street, London, W.C.2.
DESCRIPTION: A balanced triple sex hormone therapy to control female climacteric, supplied as tablets, each containing 0·005 mgm. of ethinylœstradiol, 5 mgm. of ethisterone and 2·5 mgm. of methyltestosterone.
INDICATIONS: Functional uterine hæmorrhage: pre-menopausal menstrual disturbances; surgical castration; menopausal disturbances; geriatric conditions.
DOSAGE: Functional uterine hæmorrhage: 3 sublets a day for ten days. Other indications: 3 sublets a day for twenty days a month.
HOW SUPPLIED: In boxes of thirty, 100 and 500.
SUPPLY RESTRICTIONS: P.I, S.4B.
FIRST ISSUED: November 1963.

PACKAGING NOTES

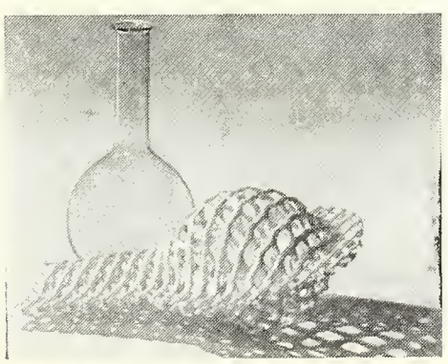
Plastic Label Tags.—A new product of Fraser Label Co., Ltd., 37 Lavender Hill, London, S.W.11, Fyne plastic tags have a base material that is claimed waterproof, oilproof, greaseproof and strong, with good weathering properties. The material also has acid-resisting properties, making it suitable for attaching to carboys. Fyne plastic tags may be written on in pen or pencil and are supplied plain or printed to almost any specification and with strings or wires as required.

Liquid-tight Screw Caps. — An improved technique of forming screw-thread closures for all-plastic containers has been developed by Pioneer Plastic Containers, Ltd., Great South-west Road, Bedfont, Middlesex. The caps



are injection-moulded in polypropylene, the containers in standard (clear) or high-impact polystyrene. The result is a full screw-thread claimed not to deform with hard use. The design of the cap allows for the insertion of a thin wad to give extra assurance of a liquid-tight seal. Other features are a broad, flat printing surface and vertical finger-grips that make the lid easier to remove when screwed down hard. For users who distribute goods by post the appeal is fewer losses in transit and reduced postal charges.

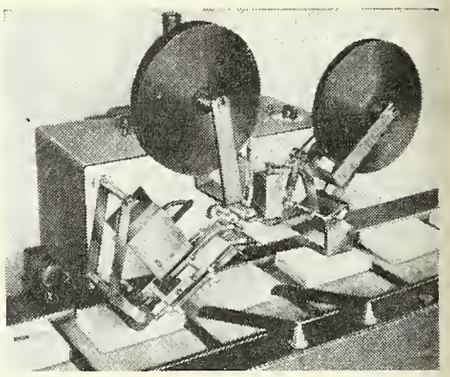
Versatile New Packaging Material.—A new material with many potential uses in protective packaging, was introduced to an audience in London on May 14. Known as cellular Netlon, it is a mesh made by a thermoplastic extrusion process. It is offered in a range of colours (pink, blue, green, yellow and white) in flexible or semi-rigid forms produced from grades of expandable polystyrene produced by Shell Chemicals Co., Ltd. The cells in the expanded polystyrene are about 0·003 in. across (the diameter of a human hair). Light, strong, and easily cleaned, it is odourless and non-toxic; does not conduct heat or electricity; does not absorb (and is unaffected by) moisture,



and hence does not rot, perish, swell or corrode. It is resistant to corrosive atmospheres and to most common solvents and chemicals. Variations in type of thermoplastic used, thickness of filament and pattern and size of mesh, give it a wide variety of applications for specific purposes, including pharmaceutical, cosmetic and food packaging, insect screens, tubes for advertising display, etc. Two grades are offered: Type WSC, the more flexible, for general wrapping purposes, is available in rolls 36 in. wide by 100 ft. long. Type 2SC, less flexible, has increased cushioning and is offered in sheet form only, primarily as a case and box liner or separating medium. Both types are obtainable in sheets ranging from 2-in. squares to 30 x 18 in., Type WSC is also available in rolls (minimum width 2 in.). Netlon has more than 450 patents issued or pending, and is being made under licence by leading chemical companies in seventeen countries. In the United Kingdom it is distributed by the packaging and specialities division of Spicers, Ltd., 19 New Bridge Street, E.C.4. As the illustration shows, cellular Netlon may be used as a close-fitting protective wrapping to shaped articles.

Automatic Tape Machine. — A new machine that applies self-adhesive tape to flat surfaces moving along a production line, is announced by Paynes Jiffy-tape, Ltd., 1 Speedy Place, Cromer Street, London, W.C.1. It can be fitted with electronic controls that allow the use of printed tape and also with a corner-sealing attachment. The machine is capable of seventy applications per minute. It can be mounted in any plane and can apply tapes from ⅜ to 1¼ in. wide and from ¾ to 6 in. long; cellulose, vinyl, laminated and many electrical tapes can all be used.

Automatic Label Applicator. — Recently shown for the first time at the National Packaging Exhibition in New York, the Label-o-Matic is an electronically controlled machine for accurately applying pressure sensitive labels. It is made by Label Processes,

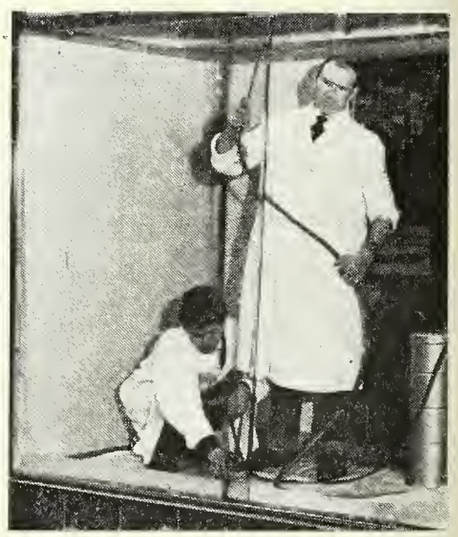


Ltd., 18 Lloyd Street, Manchester, 2, who claim it will apply labels (at up to 150 per minute) to rigid or flexible articles of almost any shape or size. The same company also market a range of semi-automatic foot- or hand-operated models.

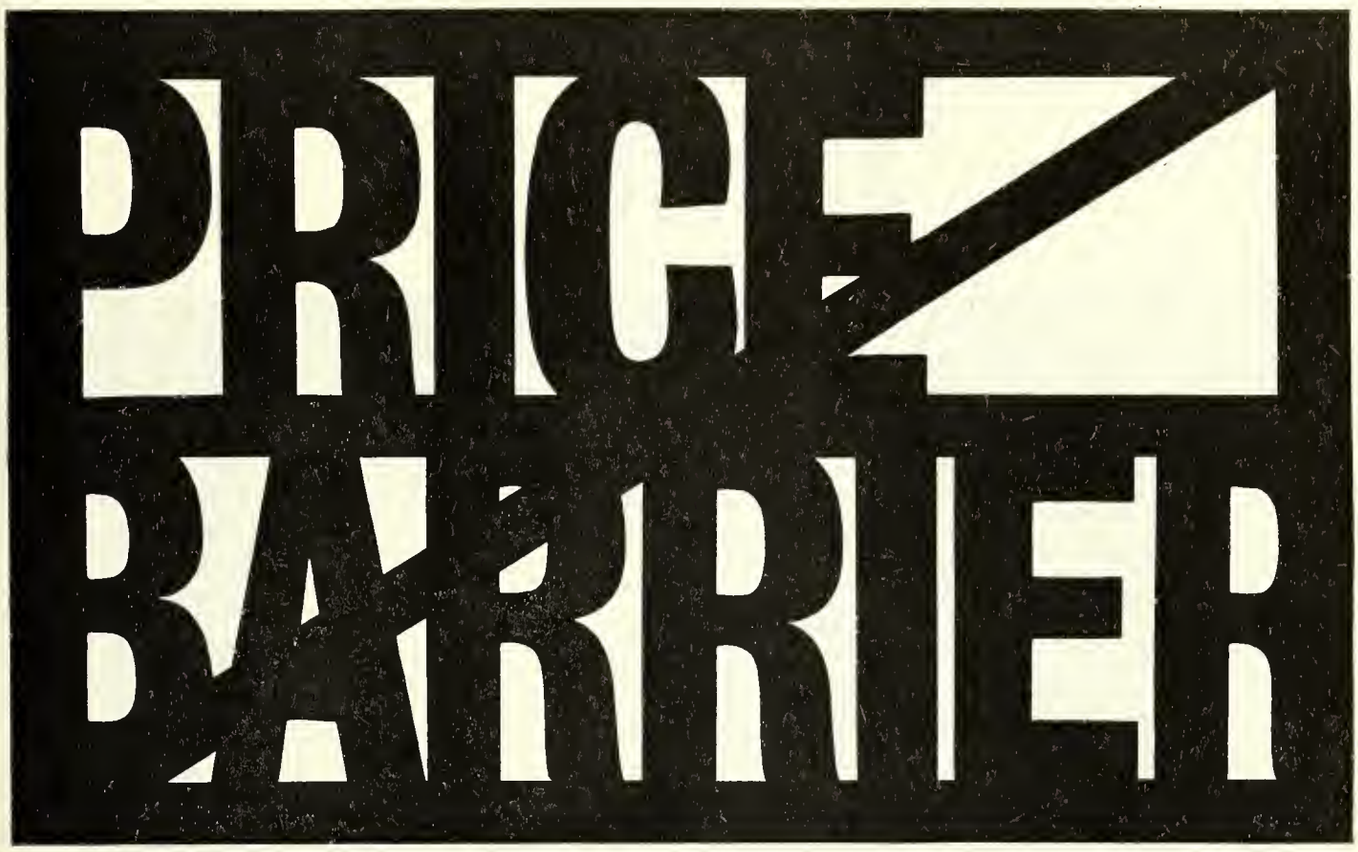
SHOPFITTING NOTES

Animated Sign. — No maintenance, beyond an occasional wash with a brush, is needed for a new sign manufactured by Ripple-lite signs (Gt. Britain), Ltd., Windsor Mills, Hollinwood, Oldham, Lancs. Ripple-lite consists of strips of small discs of plastic laminate suspended freely on metal hangers. The slightest breeze causes the discs to move, giving a rippling and glinting effect. Available in red, gold, green, silver and blue, the discs are unaffected by the extremes of British weather, and are colour-fast. At night the signs may be used with spotlights. Indoors the rippling effects are obtained by the use of a fan. Ripple-lite may be fastened to existing signs of hardboard, wood, cardboard display models, and sheet metal.

Displays Protected Against the Sun. —A process of coating shop windows so as to filter out most of the harmful elements in sunlight is being operated in Britain by Doric (Sun Protection), Ltd., 4 Knobs Hill Road, London, E.15. Applied as a liquid film from a canister, it has the function of preventing fabrics from fading. It is in colourless, gold and blue varieties, all three forms being claimed to reduce ultra-violet radiation by 99·9 per cent., heat by 25, 30 or 35 per cent. and glare by 15·2, 25 or 30 per cent. according to whether the clear, gold or blue variant has been used. The film, "Doric sun protection," is understood to have been successfully used throughout the world, even in countries with tropical climates. It has an effective life of up to fifteen years, and requires no maintenance or attention apart from normal cleaning with a sponge and cold water. In Britain, application of Doric sun protection is undertaken by trained teams in major towns. The coating is bonded to the interior surface of the glass, using a flow-on method by which the liquid is fed under pressure through a tube. Top price for application to small areas is 7s. per sq. ft., a figure rapidly reduced according to size of job and site conditions. The coating dries sufficiently in four hours for shop windows to be redressed, but four weeks should be allowed before cleaning. When dry, the film does not mark with normal use, but scratches or chips under sharp impact.



we're going to break the



As from 22nd June the prices to the public of S.M.A.*, the complete, trouble free infant food, will be reduced as follows :—

S·M·A POWDER 1lb. TIN·6s 9d
S·M·A LIQUID 13 fl. oz. TIN·1s 9d

The prices to you however will be reduced a *full 3 weeks earlier* and from the 1st June you can buy at the following terms :—

S·M·A POWDER 1lb. TIN·5s 5d each·65s per doz.
S·M·A LIQUID 13 fl. oz. TIN·1s 5d each·17s per doz.

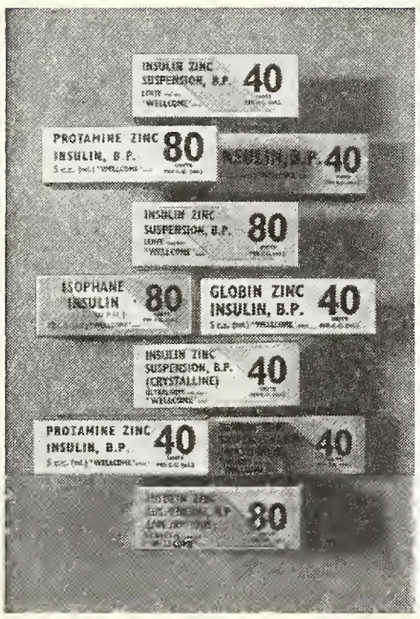
At just over ½d. per ounce of prepared feed S.M.A. with all its advantages now costs only fractionally more than cows milk. The abolition of the price barrier will enable you to sell more S.M.A. and bring you more profit.

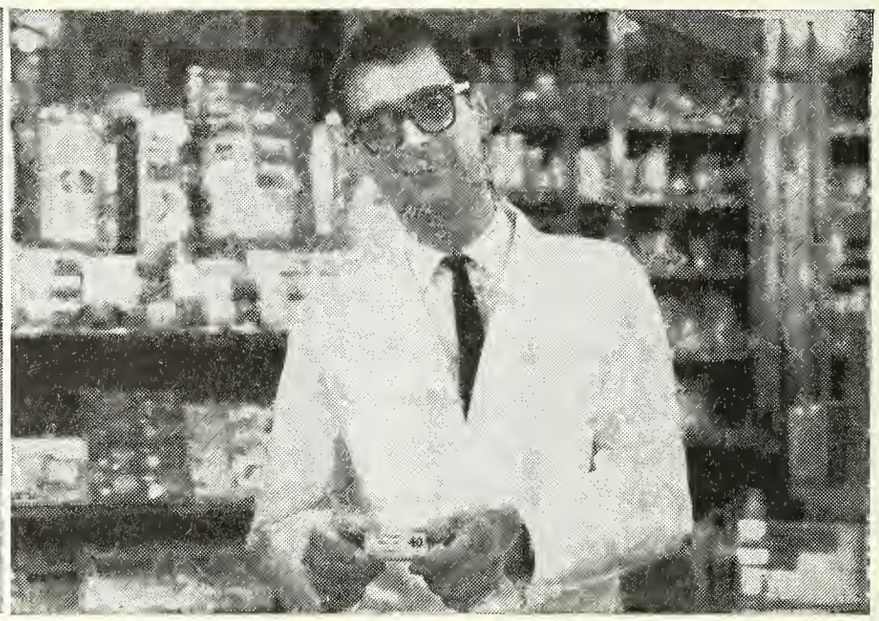
S·M·A

trouble-free mixing, trouble-free feeding, trouble-free growth

John Wyeth & Brother Limited, Taplow, Maidenhead, Berks. *trade mark

SERVING THE DIABETIC





When you supply 'Wellcome' Insulins,
you give the best possible service.
B. W. & Co. developed and were the first company to use crystalline insulin in manufacture. Into every batch of 'Wellcome' Insulin goes an experience stretching back to the earliest days of insulin treatment.
Lente, P.Z.I., Globin, Isophane and Unmodified Insulins—all are in the 'Wellcome' range.

'WELLCOME' BRAND INSULINS

BURROUGHS WELLCOME & CO., LONDON
(The Wellcome Foundation Ltd.)

ULSTER CHEMISTS' ASSOCIATION

Annual conference

THE fourth annual conference of the Ulster Chemists' Association, held at Portrush May 15–17, commenced with dinner on Friday evening, followed by a reception at whieh guests were welcomed by the president (Mrs. A. S. G. Watson). The question of a five-day week for pharmacists was discussed at the business meeting held on Saturday morning. Although many difficulties were envisaged and it was felt that the time might not yet be ripe, it was agreed that the Executive Committee should be asked to give the matter full consideration and also to look into the question of closing shops on such bank holidays as St. Patrick's Day and Whit Monday

To help and advise widows of pharmacists, a small committee should be set up, proposed MR. W. J. MOFFETT, Belfast. MR. J. A. BROWN, Belfast, pointed out that it would be necessary to let members know that such a committee existed. A panel from which members could be suitably chosen to assist where needed, would be better than a fixed committee, suggested MR. H. W. GAMBLE, Belfast. It was agreed to recommend to the Executive Committee that a panel be raised, the arrangements to be left in the hands of the secretaries.

MR. R. G. P. MCMULLAN (chairman, associates' section), proposed that U.C.A. members should be advised of the unemployment service offered by the Association through which proprietors might procure staff and locums.

The main conference meeting was addressed by PROFESSOR O. L. WADE (department of therapeutics, Queen's University, Belfast), on "Drugs Weighed in the Balance." He discussed the changes in the *rationale* of medieal therapy that occurred as the doctrines of medieval humoral medicine regressed and he described the slow and difficult acceptance by doctors of the concept that drugs might do more harm than good saying that the merits and demerits of drug therapy had to be weighed with care. No drug should ever be used without good reason, he averred. He wished that advertisers both to the public and to the medical profession held the same view. Professor Wade ended by discussing the setting up of a registry of adverse reactions to drugs and measurement of the incidence of reactions in relation to the number of prescriptions issued.

MR. H. W. GAMBLE proposed a vote of thanks to Professor Wade, mentioning his stalwart support of pharmacy over the years.

At thc second session MR. M. E. O'HARE, Londonderry, gave a thought provoking talk entitled "The Trouble with You" in whieh, he said, he intended to hold up, as it were, a mirror and persuade the professional body to take a long hard look at itself. With the aid of graphs of facts and figures obtained from all sections of pharmacy he showed that the profession was overcrowded and would be so for a long time to comc. He forecast that there could only be the slightest alleviation of present conditions from Health Service remuneration and that no help could be expected from retailing: probably the reverse.

That the profession was overcrowded was widely accepted, he said, but he believed the consequences of that fact were not being faced. The speaker would not attempt to suggest a solution—that was for pharmacists to decidc, but if the profession were ready to examine the possibility of changes in pharmacy his time would have been well spent.

N.H.S. STATISTICS

In ENGLAND during February 17,128,036 prescriptions (11,861,502 forms) were dispensed at a total cost of £7,835,879. Average cost per prescription 109·8d.

In ENGLAND during January–December 1963, 191,878,796 prescriptions (132,911,001 forms) were dispensed at a total cost of £85,839,735. Average eost per prescription was 107·37d.

In LONDON during December 1963, 1,316,962 preseriptions (880,198 forms) were dispensed, at a total cost of £560,431, of which ingredients cost £457,464 and dispensing fees £94,105. Average total cost per prescription was 102·13d. During January 1964, 1,518,584 preseriptions (1,022,611 forms) were dispensed at a total cost of £638,941. Ingredients cost £520,298 and dispensing fees amounted to £108,426.

New Wage Rates for Assistants

DETAILS ANNOUNCED OF NEW J.I.C. AGREEMENT

A NEW agreement on wages and conditions of employment for dispensing and other assistants and "all other male workers" has been arrived at by the National Joint Industrial Council for Retail Pharmacy. It is to be known, not as the "thirteenth" but as the first of a new series: D.S.A.1. The new scales beeome operative on June 8.

The agreement makes no provision for pharmacists, for whom the J.I.C. pharmacists' agreement, made in 1963, is still operative. The description "dispensing assistants" has been substituted for "unqualified assistants," and annual rates have been fixed for them. The separate provision for females holding the Apothecaries' Hall certificate has been omitted. For dispensing assistants a single "provincial" rate replaces the "provincial A" and "B" rates of the twelfth agreement. Working week has been reduced from forty-six to forty-four hours. Holiday provision is covered by the following paragraph:—

> Holidays given in advance of entitlement to any employee making written application to the employer, may be set off against future entitlement to paid holidays during the course of the employment or against wages or holiday entitlement at the termination of the employment, at the discretion of the employer.

(A similar provision appears in the J.I.C. pharmacists' agreement, 1963.)

The rates of wages and conditions of employment set out below do not prevent the payment of higher rates or the operation of better conditions of employment.

DISPENSING ASSISTANTS

For dispensing assistants who have completed not less than three years' continuous experience in pharmacy, and who are wholly or mainly engaged in dispensing, the rates per annum (approximate weekly equivalent in parentheses) are:—

Male, London: At age 20, £489 (£9 8s. 9d.); 21, £533 (£10 5s.): 22, £560 (£10 15s. 6d.); 23, £589 (£11 6s. 6d.); 24, £637 (£12 5s.).

Male, Provincial: At age 20, £473 (£9 2s.); 21, £520 (£10); 22, £546 (£10 10s.); 23, £564 (£10 17s.); 24, £597 (£11 9s. 6d.).

Female, London: At age 20, £439 (£8 8s. 9d.); 21, £483 (£9 5s. 9d.); 22, £510 (£9 16s. 3d.); 23, £539 (£10 7s. 3d.); 24, £587 (£11 5s. 9d.).

Female, Provincial: At age 20, £423 (£8 2s. 9d.); 21, £470 (£9 0s. 9d.); 22. £496 (£9 10s. 9d.); 23, £514 (£9 17s. 9d.); 24, £547 (£10 10s. 6d.).

SHOP ASSISTANTS (other than apprentices)

The rates per week are:—

Male, London: At age 15. 92s. 6d.: 16, 105s.; 17, 117s. 6d.; 18, 140s.; 19, 160s.; 20, 180s.; 21, 202s. 6d.: 22, 212s. 6d.

Male, Provincial A: At age 15, 87s. 6d.: 16, 100s.: 17, 112s. 6d.: 18, 135s.; 19, 155s; 20, 175s; 21, 197s. 6d.; 22, 207s. 6d.

Male, Provincial B: At age 15, 82s. 6d.; 16, 95s.: 17, 107s. 6d.; 18, 130s.: 19, 150s.; 20, 170s.; 21, 192s. 6d.: 22, 202s. 6d.

Female, London: At age 15, 80s.: 16, 90s.; 17, 100s.: 18, 115s.; 19, 125s.: 20, 135s.; 21, 145s.; 22, 155s.

Female, Provincial A: At age 15, 75s.: 16, 85s.: 17, 95s.: 18, 110s.; 19, 120s.: 20, 130s.: 21, 140s.; 22, 150s.

Female, Provincial B: At age 15, 70s.: 16, 80s.; 17, 90s.; 18, 105s.: 19, 115s.: 20, 125s.; 21, 135s.: 22, 145s.

ALL OTHER MALE WORKERS (other than apprentices)

London: At age 15, 88s. 6d.; 16, 95s. 6d.; 17, 103s. 6d.; 18, 128s. 6d.: 19, 141s. 6d.; 20, 156s. 6d.; 21, 186s. 6d.; 22, 200s. 6d.

Provincial A: At age 15, 83s. 6d.; 16, 90s.; 17, 98s.; 18, 123s.; 19, 134s.; 20, 148s.; 21, 178s. 6d.; 22, 192s. 6d.

Provincial B: At age 15, 77s.; 16, 82s. 6d.; 17, 90s.; 18, 114s.: 19, 123s.; 20, 137s.; 21, 165s.; 22, 184s.

"Provincial A" areas are given in an appendix to the agreement. Provincial B areas are all other non-metropolitan areas.

TRADE REPORT

The prices given are those obtained by importers, or manufacturers for bulk quantities or original packages. Various charges have to be added whereby values are in many instances augmented before wholesale dealers receive the goods into stock. Crude drugs and essential oils vary greatly in quality and higher prices are charged for selected qualities.

LONDON, JUNE 3: None of the markets seem to have recovered from the Whitsun holiday recess and speculation in new-crop CRUDE DRUGS is completely absent.

There appears to be little or no B.P.C. grade BENZOIN available although there are grades above and below that standard. Little improvement can be expected in benzoin supplies while the present political tension exists between Indonesia and Malaysia. Although Cape ALOES was unchanged quotations were reported to be firm at origin and only the absence of buyers was preventing higher quotations. COLOCYNTH PULP was practically unobtainable at origin. Jamaican GINGER prices have fallen with the advent of new crop but Cochin root was slightly firmer. More and cheaper offers of Matto Grosso IPECACUANHA affected the Colombian prices but buyers seemed to be more interested in Costa Rican at the moment with the result that prices advanced 2s. 6d. per lb. for shipment in the face of diminishing supplies. PEPPERS were easier and TONQUIN BEANS were down by threepence per lb. Also lower were STYRAX and CHERRY BARK. Shipment offers were received for the following new crops:—COCHINEAL, SENEGA and Italian SQUILL. New regulations (published as S.I. 749), effective June 3, provide for the allowance of drawback of import duty on pure HONEY when exported as blended honey.

No changes were announced among ESSENTIAL OILS during the week and trading was quiet. A report from Turkey states that unfavourable weather will delay ROSE OIL production this year. Practically all stocks of the oil are now exhausted following the sale of 10 kilos of rose oil essence to France. ZINC OXIDE, B.P., was reduced by £7 per ton on June 1 making the 2-ton rate £143 per ton.

Pharmaceutical Chemicals

ACETIC ACID.—Per ton, in bulk; B.P.C. glacial £80 to £84; 98–100 per cent. £76 to £80. Technical 80 per cent. grades: Pure £70 to £74, technical, £64 to £68. Small lots B.P.C., 5-gall. demijohn, 16s. per gall.; 10 demijohns, 11s. per gall.

AMIDOPYRIN. — Per lb. 16s. 8d. for 5-cwt. lots; 1-cwt., 17s. 5d.

ACETYLSALICYLIC ACID. — One-ton lots, 4s. 0½d. per lb.; 5-cwt., 4s. 5d.; 1-cwt., 4s. 8d.

p-AMINOSALICYLIC ACID. — SODIUM, 17s. 6d. per kilo for 1,000-kilo lots.

AMMONIUM BICARBONATE.—B.P. powder £54 10s. per ton; CARBONATE, £83 10s. for lump and £87 10s. for powder. All in 1-cwt. free kegs.

AMMONIUM CHLORIDE.—50-kilo lots pure powder, 2s. 1d. per kilo.

AMMONIUM NITRATE.—Crystals, 1s. 8d. per kilo in 50-kilo lots.

AMMONIUM SULPHATE.—50-kilo lots 2s. per kilo for B.P.C. 1934 grade.

AMYLOBARBITONE. — B.P.C. is 76s. per kilo for less than 25-kilo lots. SODIUM is 10s. per kilo more.

ATROPINE. — Per oz. for 16-oz. lots: ALKALOID and METHONITRATE, 39s.; METHYLBROMIDE, 38s. 6d.; SULPHATE, 34s. (1,181s. for 1-kilo).

BARBITONE. — SODIUM derivative is 56s. 9d. per kilo for less than 25-kilo lots.

BRUCINE. — In 1,000-oz. lots, ALKALOID is 16s. per oz. and SULPHATE, 13s. 6d. per oz.

BUTOBARBITONE. — B.P.C., 80s. per kilo for 25-kilo lots and over.

CAFFEINE. — ANHYDROUS and MONOHYDRATE in 50-kilo lots and over 28s. 1d. per kilo; CITRATE, 20s. 11d.

CALAMINE.—Five-cwt. lots, 1s. 11d. per lb.; 1-ton. 1s. 9½d.

CHLORAL HYDRATE. — One-cwt. lots 4s. 1d. per lb.

CHLOROFORM. — 35-litre lots in winchesters, B.P., 11s. 5½d. per litre; in drums, 10s. 7d.; 175-litre lots, 11s. and 10s. 1½d.

CITRIC ACID.—Domestic powder in kegs, per cwt. 1–4 cwt. lots, 224s.; 5–19 cwt., 223s.; 1 ton, 222s. Crystals plus 10s. cwt. ANHYDROUS powder and granular plus 10 per cent. All less 7s. cwt. if packed in bags.

COCAINE. — 35-oz. lots HYDROCHLORIDE, 105s. per oz.; ALKALOID, 115s. per oz. Subject to D.D.A. Regulations.

EMETINE. — One-kilo lots. HYDROCHLORIDE, 11,431s. per kilo.—BISMUTH IODIDE, 4,952s. per kilo.

ERGOMETRINE.—MALEATE, B.P., 144s. per gm. for 20-gm. lots; TARTRATE, 27s. 6d. per gm. for 10-gm. lots.

ETHER. — Per lb. in winchesters: B.P. TECHNICAL, B.S.S., 5-cwt., 2s. 9d.; (4s. 4d. per litre). In drums the price is 2s. 1d. per lb. ANÆSTHETIC, B.P., 6-cwt. 3s. 11½d.; 10-cwt., 3s. 7½d.

GLUCOSE. — Medicinal, B.P., POWDER, 71s. 6d. per cwt., delivered in 1-ton lots. LIQUID, basic price, 50s. 6d. per cwt.

HEXOBARBITONE. — 25-kilo lots or over, 115s. per kilo.

HYDROCHLORIC ACID.—B.P., 50s. per cwt. in carboys.

HYPOPHOSPHOROUS ACID. — B.P.C., 1959. 15s. 5d. per kilo; 50 per cent., 19s. 3d.

LACTIC ACID. — B.P. 4s. 5d. per lb. for 12-winchester lots and 4s. for 5-cwt. lots. Edible, 80 per cent. acid, 2s. 4d. per lb. for under 1-ton lots: 12-winchesters, 2s. 8d. per lb.

MAGNESIUM CARBONATE. — One-ton lots: LIGHT, 129s. per cwt.; HEAVY, 135s. per cwt.

MAGNESIUM CHLORIDE.—Crystals in 50-kilo kegs, 5s. 6d. per kilo.

MAGNESIUM HYDROXIDE.—B.P.C., 1-cwt. lots, 3s. 11d. per lb.; 1-ton, 3s. 6d. per lb.

MAGNESIUM OXIDE, B.P.—LIGHT, 1-cwt. lots, 3s. 10d. per lb., 1-ton, 3s. 7d.; HEAVY, 5s. 10d. per lb.

MAGNESIUM PEROXIDE.—B.P.C. (15 per cent.), 3s. 11d. per lb. for 1-cwt. lots.

MAGNESIUM PHOSPHATES: DIHYDROGEN, 50-kilo lots, in kegs, 8s. 9d. per kilo; TRIBASIC, in sacks, 8s. 9d. kilo.

MAGNESIUM SULPHATE. — B.P. in minimum 1-ton lots from £21 per ton. Exsiccated, £56 per ton.

MAGNESIUM TRISILICATE. — (Per lb.). Under 5-cwt. lots, 4s. 1d.; 1-ton, 3s. 4d.

MANDELIC ACID.—One-cwt. lots, 12s. 6d. per lb. CALCIUM SALT also 12s. 6d. SODIUM MANDELATE, 13s. and AMMONIUM MANDELATE 50 per cent. solution, 7s. 6d.

METHYL PHENOBARBITONE.—B.P.C., 78s. per kilo for less than 25-kilo lots.

NARCOTINE. — ALKALOID and HYDROCHLORIDE, 12s. 6d. per oz. (440s. 6d. kilo) for under 25-oz. lots.

OLEIC ACID.—B.P. grade, £181 10s. per ton. Small lots, 22s. 3d. per gall.

OPIATES.—Home trade prices (per oz.) subject to D.D.A. Regulations:—

	35 oz. and over	Under 35 oz.
	s. d.	*s. d.*
CODEINE		
ALKALOID	54 0	55 0
HYDROCHLORIDE ...	47 3	48 3
PHOSPHATE	41 0	42 0
SULPHATE	47 3	48 3
MORPHINE		
ACETATE	50 0	51 0
ALKALOID	61 3	62 3
HYDROCHLORIDE ...	50 0	51 0
SULPHATE	50 0	51 0
TARTRATE	60 0	61 0
ETHYLMORPHINE		
ALKALOID	63 3	64 3
HYDROCHLORIDE ...	54 0	55 0
DIAMORPHINE		
ALKALOID	59 9	60 9
HYDROCHLORIDE ...	54 9	55 9

OXALIC ACID.—Manufacturers' rates for 1-ton lots, £132 per ton.

PENTOBARBITONE.—25-kilo lots and over are 107s. 6d. per kilo.

PETHIDINE HYDROCHLORIDE.—Subject to D.D.A. Regulations, 5-kilo lots, 300s. per kilo.

PHENOBARBITONE. — Spot rates 50-kilo lots, 47s. 6d. per kilo; less than 25-kilos, 50s. 6d. SODIUM SALT, 55s. 6d. per kilo for less than 25-kilo lots.

PHENOLPHTHALEIN.—One-cwt. 9s. per lb.

PHOSPHORIC ACIDS. — B.P. (s.g. 1.750) drums, 1s. 4d. per lb.; bottles from 4s. 7d.

QUINALBARBITONE.—Sodium salt is 110s. per kilo for 25-kilos and over.

QUINIDINE.—SULPHATE is now 745s. 2d. per 100-oz. for lots of 500-oz. and over; less than 500-oz. are 765s. 4d. per 100-oz.

QUININE. — 1,000-oz. lots:—ALKALOID, 4s. 7d. per oz.; SULPHATE, 3s. 6d.; BISULPHATE, 3s. 5d.; DIHYDROCHLORIDE, 4s. 7d.; HYDROBROMIDE, 4s. 4½d.

SUCCINYL SULPHATHIAZOLE. — Five-kilo lots, 38s. 6d. per kilo.

SULPHACETAMIDE. — 50-kilo lots, 54s. per kilo; SODIUM, 66s. 2d.

SULPHADIAZINE.—Five-kilo lots, 65s. per kilo; 50-kilo lots, 60s.

SULPHADIMIDINE. — 50-kilo lots are 40s. per kilo.

SULPHAGUANIDINE.—100-kilo lots, about 19s. 6d. per kilo.

SULPHAMETHIZOLE. — Per kilo — 5-kilo lots, 100s.; 50-kilos, 95s.

SULPHANILAMIDE.—50-kilo lots, 12s. 8d. per kilo.

SULPHAPYRIDINE. — Five-kilo lots, 120s. per kilo.

SULPHATHIAZOLE. — 100 kilos, 32s. per kilo; 50 kilos, 33s.

SULPHURIC ACID.—Ninepence to 1s. 2½d. per lb. in winchesters.

TANNIC ACID.—The B.P. fluffy, 8s. 3d. per lb. (5-cwt. lots).

TARTARIC ACID. — (In kegs): 1-ton lots, 275s. per cwt.; 5–19 cwt., 281s.; 1–4 cwt., 284s. Bags 8s. cwt. less. Crystals 7s. per cwt. more than powder and granular.

THIOGLYCOLLIC ACID. — Basic rates per lb., 97–98 per cent., 26-lb. packs, 15s.; 75 per cent., 11s. 6d. AMMONIUM THIOGLYCOLLATE, 40 per cent. *p*H 9·3 (24-lb. packs), 6s. 8d.; MONOETHANOLAMINE THIOGLYCOLLATE, *p*H 9.9, 4 per cent., 9s. 10d. All carriage paid United Kingdom and subject to purchase tax.

Announcement by Pfizer Limited

D.D.S.A. Pharmaceuticals Ltd. have recently mailed to retail pharmacists a circular letter referring to the dismissal by Mr. Justice Lloyd-Jacob of Pfizer's motion for an interim injunction against D.D.S.A. Pharmaceuticals in October 1963. In case any contrary implication may have been drawn from D.D.S.A.'s letter, Pfizer Limited wishes to point out that:—

1. At the hearing of the motion concerned, the Court made no finding on the question of whether D.D.S.A.'s sales of oxytetracycline and tetracycline infringed Pfizer's patents covering these antibiotics;

2. Pfizer has not attempted to obtain in the English Courts an interim injunction against any supplier of these antibiotics other than D.D.S.A. Pharmaceuticals.

The Court's decision to dismiss Pfizer's motion was based solely on the ground that D.D.S.A. Pharmaceuticals had filed applications for compulsory licences under Pfizer's patents covering oxytetracycline and tetracycline. The Court held that an interim injunction should not be granted against D.D.S.A. pending the hearing of those applications.

The dismissal of the motion on this ground can have no bearing on the result of Pfizer's patent infringement actions against D.D.S.A. Pharmaceuticals, Direct Pharmaceutical Supplies Ltd. and Inter-Continental Pharmaceuticals Ltd. These actions, which allege infringement of Pfizer's antibiotic patents, are still pending, as also are D.D.S.A.'s applications for compulsory licences. The action against Direct Pharmaceutical Supplies Ltd., which is an associate company of D.D.S.A. Pharmaceuticals, is due to be heard in June 1964. Direct Pharmaceutical Supplies have in their Defence to this action challenged the validity of Pfizer's patent covering tetracycline, and Pfizer is preparing to meet this challenge at the forthcoming hearing.

Pfizer's oxytetracycline and tetracycline patents are product patents. Thus, oxytetracycline and tetracycline, however made, are covered by these patents. The pharmaceutical manufacturers licensed by Pfizer to sell in this country dosage forms containing tetracycline are Lederle Laboratories, Bristol Laboratories, E. R. Squibb & Sons, Upjohn Ltd. and Nicholas Laboratories.

Pfizer

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Display these brand leaders, and sales of *each* increase! That's a proven fact ■ Stock Phillips, Scott & Turner family health products and you get: special display terms; generous profit margins and convenient 'parcel' terms; vigorous and persistent advertising support; rapid and rewarding business. That's a firm promise.

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Crude Drugs

ACONITE. — Spot, Spanish *napellus*, 2s. 8d. per lb.

AGAR. — Kobé No. 1, 12s. 3d. per lb. in bond; June–July shipment 12s., c.i.f. Spanish, 15s. duty paid, nominal.

ALOES. — Primes, 250s. per cwt. spot. Extra primes 245s., c.i.f. for shipment. Curaçao, spot, 285s.

ARROWROOT.—St. Vincent from 1s. 3d. to 1s. 6d., as to grade.

BALSAMS. — Per lb.: CANADA: Spot 18s. 6d. to 23s. 6d. COPAIBA: B.P.C. grade 10s. PERU: Spot, 9s. 3d. TOLU: B.P., from 11s. to 30s.

BELLADONNA. — HERB, 3s. 9d. per lb. ROOT, 1s. 7d. per lb.

BENZOIN. — Sumatra block spot from £20 to £35 per cwt. as to quality.

CALAMUS. — Root, 100s. per cwt., spot, 87s. 6d., c.i.f.

CARDAMOMS.—Aleppy greens, 9s. 3d. to 9s. 10d. spot; shipment best grade, 10s. 8d., c.i.f. Seeds, spot, 12s. 9d.; shipment, 12s. 3d., c.i.f.

CASCARA. — Spot, 240s. per cwt.; shipment, new crop, indicated at 225s., c.i.f.

CHERRY BARK. — Thin natural, 1s. 10d. per lb.; shipment, 1s. 9d., c.i.f.

CHILLIES. — Zanzibar, nominally 225s. per cwt. spot; shipment, 210s., c.i.f. Mombasa spot, 175s.; shipment, 160s., c.i.f.

CINNAMON. — QUILLS, Ceylon (per lb., c.i.f.): 4 O's, 9s. 1d.; single O, 7s. 3d.; quillings, 5s. 5d. BARK, Seychelles, 90s. cwt. spot.

COCHINEAL. — For shipment, silver-grey Canary Isles, 22s. 6d. per lb, c.i.f. and black-brilliant, 30s., c.i.f. Peruvian, 16s. per lb., spot.

COCILLANA.—Bark 1s. 8d. per lb. on the spot.

COLOCYNTH PULP. — Shipment offers are difficult to obtain.

DIGITALIS.—*Purpurea* leaves, 2s. 6d. per lb.

ELEMI. — Spot, 1s. 9d. per lb.; shipment, not offering.

ERGOT. — Portuguese, 8s. 3d. per lb. spot and 8s., c.i.f.

GENTIAN. — Spanish root 175s. per cwt. spot; French for shipment, 180s., c.i.f.

GINGER.—(Per cwt.) African, spot, 320s. per cwt.; shipment, 280s., c.i.f. Jamaican No. 3 spot, 675s.; new crop, June, 600s., c.i.f. Cochin spot, 325s. Shipment, 330s., c.i.f.

GUM ACACIA.—Kordofan cleaned sorts, 170s. per cwt. spot; June–July shipment, 154s., c.i.f.

HENNA. — Indian, for shipment, 65s., c.i.f.

HONEY. — (Per cwt.). Australian light amber, 152s. 6d. to 157s. 6d. and medium amber 147s. 6d. to 152s. 6d. Argentine, 150s. to 155s.; Canadian 185s. to 190s.; Mexican, 140s. to 145s., all ex warehouse.

IPECACUANHA.—Matto Grosso for shipment, 61s. 6d. per lb., c.i.f. and spot from 65s. to 67s. 6d. as to test. Colombian, 66s. 6d., c.i.f.; spot (t.a. 2·38 per cent.), 68s. Costa Rican is firmer at 94s., c.i.f., and 96s. 6d., spot.

KARAYA. — No. 1 gum, spot, 400s.; No. 2, 335s. per cwt.

KOLA NUTS. — African, 6d. spot and 5½d., c.i.f. (per lb.). Short.

LANOLIN. — ANHYDROUS B.P. is from 1s. 8½d. to 1s. 10½d. per lb. in 1-ton lots delivered free drums.

LIQUORICE. — Natural root: Russian 65s. per cwt.; Anatolian, 60s.; Anatolian decorticated, 170s. Block juice; Anatolian, 192s. 6d. per cwt.; Italian stick from 400s. to 475s. per cwt.

LOBELIA. — Herb, 8s. 6d. per lb., spot; Dutch, 4s. 6d. to 5s. 6d.

MENTHOL.—Chinese: spot, 27s. 6d. per lb., duty paid; June-July shipment, 26s., c.i.f. Brazilian, 23s. 6d. to 34s., in bond and shipment, 23s. to 23s. 6d., c.i.f., as to grade (reseller's prices).

MERCURY.—Spot, ex warehouse £90 per flask of 76 lb.

NUTMEGS. — West Indian spot, 80's, 10s. per lb. nominal; defectives, 6s. 6d. East Indian for shipment: 80's, 7s. 6d. per lb.; 110's, 7s. 1½d.; b.w.p., 4s. 5d., all c.i.f.

NUX VOMICA.—Cochin, 75s. per cwt. on the spot; shipment, 47s. 6d., c.i.f.

ORANGE PEEL. — Spot: Sweet ribbon, 1s. 8d. per lb., bitter quarters: West Indian, 10½d.; Spanish, 1s. 6d.

PAPAIN.—E. African for shipment, 35s., c.i.f.

PEPPER.—White Sarawak spot, 2s. 10d. to 3s. per lb.; shipment, 2s. 8¾d., c.i.f. Black Sarawak spot, 2s. 6d.; shipment, 2s. 3d., c.i.f. Black Malabar is 325s. per cwt., c.i.f.; 317s. 6d., spot.

PIMENTO. — Spot quoted at 686s. per cwt.; shipment, 580s., f.o.b.

PYRETHRUM. — Extracts — partially dewaxed, 25 per cent. pyrethrins, 69s. to 65s. 6d. per lb.; pale 82s. 6d. to 79s.; crude oleoresin, 60s. 6d.

QUASSIA.—Spot, 57s. 6d. per cwt.

QUILLAIA. — Spot, 120s. per cwt.; shipment, 100s., c.i.f.

RAUWOLFIA.—Indian *Serpentina*, 11s. 6d. to 12s. per lb., c.i.f.

RHUBARB. — Chinese spot, small parcel of 80 per cent. pinky, 15s. 6d. per lb. landed.

SEEDS. — Per cwt.). ANISE. — Spanish, 230s., duty paid. CARAWAY. — Dutch 157s. 6d., duty paid. CELERY. — Indian, 145s., spot; shipment, June–July, 142s. 6d., c.i.f., quoted. CORIANDER. — Moroccan, 55s. duty paid; shipment, current crop, 43s. 6d., new crop for June–July, 44s. 6d., c.i.f. CUMIN.—Moroccan, 210s., Iranian, 230s., both duty paid; shipment Moroccan, 152s. 6d., c.i.f.; Iranian quoted at 195s., c.i.f. DILL.—Indian quoted at 90s. spot; shipment, 80s., c.i.f. FENNEL. — Indian, 150s. spot; shipment, 135s., c.i.f. FENUGREEK. — Moroccan, 49s., duty paid; shipment, 36s. 6d., c.i.f., for current crop. MUSTARD—English, 45s. to 65s., according to quality.

SENEGA.—Washed, 21s. 6d. per lb. on the spot. New-crop for shipment, 18s. 6d., c.i.f.

SENNA. — (Per lb.). Tinevelly LEAVES spot: Prime No. 1, 2s. 3d.; prime No. 2, 1s. 9d.; No. 3, f.a.q. spot, 1s. 4d. Shipment, dry crop, 1s. 1½d., c.i.f. PODS: hand-picked: Tinnevelly, 3s. 2d.; manufacturing, 2s. 2d. spot; shipment 1s. 9d., c.i.f. Alexandria PODS; hand-picked scarce with only odd lots at prices according to grade: manufacturing, 3s.

SLIPPERY ELM BARK. — Afloat parcel offered at 3s. 4d. per lb. landed terms.

SQUILL. — Italian new crop, 175s. per cwt., c.i.f.; Indian 75s. per cwt., spot.

STYRAX. — Spot, 18s. per lb.; shipment, 17s., c.i.f.

TONQUIN BEANS.—Para, spot, 4s. 9d. per lb.; shipment, 4s. 3d., c.i.f.; Trinidad, 5s. 6d., spot.

TURMERIC. — Madras finger afloat offered at 195s., landed terms. June shipment, 130s., c.i.f.

VALERIAN ROOT. — Spot: East European, 175s. per cwt.; Indian, 175s. Shipment: Continental, 172s. 6d. to 214s., c.i.f.

WAXES. — (Per cwt.): BEES'.—Dar-es-Salaam, spot, 455s.; shipment, 440s., c.i.f. Sudanese, spot, 395s., in bond; shipment, 395s., c.i.f. CANDELILLA, spot, 465s.; forward, 460s. landed. CARNAUBA, fatty grey, spot, 300s.; shipment, 297s. 6d., c.i.f.; prime yellow, spot, 755s.; shipment, 765s., c.i.f.

Essential and Expressed Oils

ALMOND.—Imported sweet oil is 6s. 9d. per lb., spot.

ANISE.—Chinese, 11s. 3d. per lb., spot; shipment, 9s. 6d., c.i.f.

BIRCH TAR.—Rectified, 8s. per lb.

BUCHU.—Spot, 360s. per lb.

CAMPHOR, WHITE. — Chinese, 2s. 6d. duty paid, per lb.; shipment, 1s. 10d., c.i.f.

CANANGA.—Spot, 28s. per lb.

CARDAMOM.—Indian from 225s. per lb., spot.

CASSIA.—Spot, 35s. per lb.

CEDARWOOD. — Rectified 6s. per lb. on the spot.

CITRONELLA. — Ceylon spot, 11s., shipment, 10s. 9d. per lb., c.i.f. Formosan, 5s. 6d. in bond; June–July shipment, 5s. 3d., c.i.f.; Chinese, 5s. 6d., in bond, 5s. 1½d., c.i.f.

COD-LIVER. — B.P. in 45 gall. drum is 11s. 6d. per gall. including 30s. deposit on drum. Veterinary is from 9s. 6d. per gall. 25-stone lots. Delivered terms.

CUBEB.—Spot supplies of imported are 85s. per lb.

FENNEL.—Spanish sweet, spot, 13s. per lb.

GERANIUM. — Bourbon, 87s. 6d. to 92s. 6d. per lb. on the spot.

GRAPEFRUIT.—Spot offers from 15s. 6d. per lb.

JUNIPER. — B.P.C. is nominally 30s. per lb. JUNIPER WOOD, from 5s.

LEMON.—Spot from 22s. to 34s. per lb.

LIME. — West Indian distilled 58s. per lb. on the spot.

ORANGE.—Floridan sweet oil, 6s. to 7s. per lb. West Indian, 10s.; Spanish, 15s. to 17s. 6d.

PALMAROSA.—Shipment, 52s. 6d. per lb. c.i.f.; spot, 60s.

PEPPERMINT. — *Arvensis:* Chinese spot, 8s. 9d. shipment, 8s. 9d., c.i.f. Brazilian spot, 8s. 9d.; shipment, 8s. 9d., c.i.f. *Piperita:* Italian, 48s. to 70s., spot, American from 31s. per lb. as to make.

PIMENTO. — English-distilled berry from 150s. per lb. Rectified leaf, 19s. 6d. per lb.

PINE. — *Pumilionis*, 30s. per lb., *sylvestris*, 9s.; *abietis*, 15s. to 24s.

ROSEMARY.—Spanish, 11s. per lb., duty paid.

RUE.—Spanish is 23s. 6d. per lb., spot.

SAGE. — Spanish 16s. per lb., duty paid nominal. Dalmatian, 18s. 6d.

SANDALWOOD. — Mysore, 106s. 6d. per lb., spot. East Indian for shipment, 102s., c.i.f.

SPEARMINT.—American oil on the spot, 26s. per lb.

TANGERINE.—Sicilian best quality about 37s. per lb.

THYME.—From 17s. 6d. to 20s. per lb. as to test.

VETIVERT. — Bourbon spot, 85s. to 97s. 6d. per lb.

YLANG YLANG. — Best oil quoted about 145s. per lb.

UNITED STATES REPORT

NEW YORK, JUNE 2: A leading producer will advance the price for SODIUM BICARBONATE 25 cents on July 1 to make the cost of 100-lb. bags $2·80. f.o.b. plant. Higher per lb. among CRUDE DRUGS were GENTIAN at 30 to 32 cents, up five cents; JUNIPER BERRIES at 55 to 60 cents, up 10 cents; and BUCHU at 75 to 80 cents, up three cents. RUTIN is now $9·50 a kilo (up $1·50). JUNIPER BERRY OIL was advanced to $4·75 a lb. from $3.65.

TRADE MARKS

APPLICATIONS ADVERTISED BEFORE REGISTRATION

From the "Trade Marks Journal," May 21

For detergents for use in industrial or manufacturing processes (1) *and for detergents (not for use in industrial or manufacturing processes)* (3)
DUET, 858,684-85, by Unilever, Ltd., Port Sunlight, Ches.

For chemical products for use in agriculture and horticulture; and chemical products for use in the manufacture of pesticidal compositions (1) *and for preparations for killing plants and destroying vermin, pesticides, insecticides, nematocides, and soil fumigant products* (5)
DORLENE, 850,676-77, by Dow Chemical Co., Midland, Michigan, U.S.A.

For preparations (not in liquid form) for use in the waving of hair, and hand creams (3)
MISTY, 831,560, by Saga (Plastics), Ltd., London, E.8.

For preparations made from plastics for use as substitutes for laundry starch (3)
Device with word DIP, 838,909, by Aspro-Nicholas, Ltd., Slough, Bucks.

For soaps, perfumes, non-medicated toilet preparations, cosmetics, preparations for the hair and dentifrices (3)
ATKINSONS A'TOI, 846,779, by J. & E. Atkinson, Ltd., Welwyn Garden City, Herts.

For soaps, perfumes, perfumed toilet water, talcum powder and dentifrices (3)
SPANGLE, 851,599, by J. C. & J. Field, Ltd., London, W.1.

For preparations for removing dye from the hair (3)
MODULAT, 852,040, by Coliolanus, A.G., Binningen, Switzerland.

For shampoos (3)
ZETACHAM, 852,233, by Zeta Hair & Scalp Clinics, Ltd., Bradford, Yorks.

For perfumes, non-medicated toilet preparations and cosmetic preparations (3)
SECRET OF THE SEA FASHION TOUCH, 853,310, by Dorothy Gray, Ltd., London, S.W.20.

For non-medicated toilet preparations, cosmetics, shampoos, preparations for the hair, soaps and saponaceous products (3)
MUSTELA, 858,734, by Laboratoires d'Expansion Scientifique Moderne "Expanscience," Gourbevoie (Seine), France.

For dentifrices (3)
TRUTH, 859,547, by W. H. Edwards Products of Canada, Ltd., Oakville, Ontario, Canada.

For starch for laundry purposes (3)
ECULA, 859,818, by Golden Wonder Crisp Co., Ltd., Edinburgh.

For all goods (3)
ONDEL, ONDELLE, 860,262-63, by James Herbert Ogden, Manchester, 2.

For perfumes, non-medicated toilet preparations, cosmetic preparations, dentifrices, depilatory preparations, toilet articles (not included in other classes), sachets for use in waving the hair, shampoos, soaps and essential oils (3)
POKER FACE, 860,362, by Morny, Ltd., Perivale, Middlesex.

For antibiotics for pharmaceutical purposes; pharmaceutical preparations and substances, all containing antibiotics; and materials prepared for bandaging, all being impregnated with antibiotics (5)
Chinese characters the phonetic equivalent of which is LEDERMYCIN, 843,362, by American Cyanamid Co., Wayne, New Jersey, U.S.A.

For medical and surgical plasters, all being adhesive, materials prepared for bandaging and dressings (5)
LACTIFLORE, B845,552, by Laboratoires Française de Therapeutique, Bordeaux, France.

For fruit juices prepared for pharmaceutical purposes, pharmaceutical preparations containing fruit juices, all containing vitamin C (5)
C-VITT, B847,959, by Thomas & Evans, Ltd., Brentford, Middlesex.

For all goods (5)
Device with letter R, B847,353, by Rentokil Group, Ltd., East Grinstead, Sussex. CRUSAIRE, 853,172, by S. C. Johnson & Son, Inc., Racine, Wisconsin, U.S.A. CENSERT, 856,490, by Chas. Pfizer & Co., Inc., Brooklyn, New York, U.S.A. CALOGEN, 857,597, COJOL, 859,907, by Genatosan, Ltd., Loughborough, Leics. PROCEA, 860,096, by Procea Products, Ltd., London, W.1. UNOSPASTON, 860,399, by Siegfried, A.G. Zofingen, Switzerland. Device with word PLOWCO, B852,383, by John Rowan Grimsdale, London, E.C.3.

For pharmaceutical and veterinary preparations (5)
PFIXER-VAX, 849,371, ANALERT, 856,489, BALARIN, 856,491, PEMOLERT, 859,775, by Chas. Pfizer & Co., Inc., Brooklyn, New York, U.S.A.

For pharmaceutical and veterinary preparations containing phenacetin (5)
PHENATANE, 851,107, by A. H. Robins Co., Inc., Richmond, Virginia, U.S.A.

For hypnotic preparations (5)
HIPNOSOL, 852,005, by Roche Products, Ltd., Welwyn Garden City, Herts.

For medicated preparations for the skin, medicated barrier creams and disinfectants (5)
Device with word DUCKHAM'S, 833,536, by Alexander Duckham & Co., Ltd., London, W.6.

For disinfectants, deodorants, air-freshening preparations and insecticides (5)
IVY, 882,489, by Colgate-Palmolive, Ltd., London, W.1.

For pharmaceutical preparations for veterinary use (5)
PHENRETYN, 854,038, by Willows Francis, Ltd., Epsom, Surrey.

For pharmaceutical products for use in the prevention and treatment of hog cholera (5)
STERICON, 854,257, by Dow Chemical Co., Midland, Michigan, U.S.A.

For disinfecting devices for attachment to telephone instruments (5)
STERIPHON, 854,920, by Samuel Collins, Sidney Arthur Leader and Barnett Leigh, London, W.1.

For pharmaceutical preparations containing antibiotics for human use (5)
LINCOCIN, 857,004, by Upjohn, Ltd., Crawley, Sussex.

For preparations for killing plants, weeds, grass and brush, preparations for destroying vermin, pesticides, insecticides, parasiticides, fungicides, bactericides, algæcides, miticides, larvicides, nematocides, rodenticides, preparations for sterilising the soil, fumigating preparations (not being perfumes), defoliants and sanitary substances (5)
NOVEGE, 856,351, ZYTRON, 856,355, by Dow Chemical Co., Midland, Michigan, U.S.A.

For pharmaceutical products (5)
MENPREN, 856,493, by E. Merck, A.G., Darmstadt, Germany.

For herbal preparations for medicinal purposes, all in liquid form and being for external use (5)
ALVIOL, 857,387, by Tramet, Ltd., London, S.W.1.

For veterinary preparations for the control of diseases in poultry, pigs and cattle (5)
DAYFUR, B857,411, by Day & Sons (Crewe), Ltd., Crewe, Ches.

For pharmaceutical preparations and substances, all for treatment of the blood (5)
HEMALGAN-99, 857,647, by Diva Laboratorien, A.G., Zurich, Switzerland.

For pharmaceutical preparations for use in the treatment of the eyes (5)
OPTOLURE, 857,725, by Optrex, Ltd., Greenford, Middlesex.

For pharmaceutical preparations and substances for the treatment of the skin (5)
DERMISOL, B857,813, by Horlicks, Ltd., Slough, Bucks.

For deodorants, air freshening preparations, preparations for killing flies, bactericides, germicides and disinfectants (5)
AIRZONE, 858,822, by Jeyes' Sanitary Compounds Co., Ltd., Barking, Essex.

For pharmaceutical preparations and substances for human and veterinary use (5)
VESULONG, 860,636, by CIBA, Ltd., Basle, Switzerland. POULIVAC, 860,683, by International Serum Co., Ltd., London, N.W.7. PREVAX, 861,563, by Parke, Davis & Co., Detroit, Michigan, U.S.A., and Hounslow, Middlesex.

For medicines for human beings and animals (5)
TANIDIL, 861,358, by Farbenfabriken Bayer, A.G., Leverkusen 22c, Germany.

For hair-brushes (21)
DEN GRAND PRIX, 847,878, DEN TOUCHE FINALE, 847,881, DEN-TONIC, DEN-CLUB, 847,883-84, by Robert Lardenois, Hermes (Oise), France.

NOTES ON NEW MEDICAMENTS

BUCCAL PITOCIN.—*Constituent:* Oxytocin citrate. The fragment of the posterior pituitary gland extract that has an action on the uterus (oxytocin) can now be prepared synthetically but until recently it could be given only by injection. The citrate, now available for use as buccal tablets, has a slow rate of absorption from the buccal mucosa and so offers a wide margin of safety, removal of the tablets from the mouth providing prompt relief if signs of overdosage occur.

CLORANOX.—*Constituents:* Penthrichloral and butobarbitone. Penthrichloral (trichloroethylidine pentaerythritol or 5-5-di(hydroxymethyl)-2-trichloromethyl-1-3-dioxan) is stated to have all the advantages of chloral and to act as a potentiator of butobarbitone. Combined treatment permits a reduction in dose without loss of efficacy. Other chloral compounds, not exhibited with a barbiturate, are represented by Welldorm (dichloralphenazone), Tricloryl (triclofos) and Somilan (chloral-betaine).

HIBITANE AEROSOL. — *Constituents:* chlorhexidine diacetate in an isopropanol base with propellents. Chlorhexidine is a powerful antibacterial compound with a wide range of activity and is used for surgical antisepsis. The aerosol presentation has the advantages of rapid cover of the area being treated, with adequate penetration into crevices and folds of the skin. The inclusion of a red dye in the product permits easy recognition of the sprayed area. Other aerosol antiseptics are represented by Laurodin (containing laurolinium acetate in an alcohol base) and Dispray (containing 70 per cent. alcohol).

HYDROMET.—*Constituents:* hydrochlorothiazide and methyldopa. The former is a powerful diuretic which increases the excretion of both salt and water. The drug also has some antihypertensive properties and appears to potentiate the action of some other drugs used in the treatment of hypertension. Methyldopa lowers the blood pressure, but by a different mechanism. It has a close chemical relationship with certain compounds used in the biological synthesis of the pressor amines adrenaline and nor-adrenaline. It may function as a competitive inhibitor, as the drug produces a reduction in the tissue concentration of adrenaline and related substances. Other products representing mixtures of a diuretic with an antihypertensive drug, include Serpasil-Esidrex (reserpine with hydrochlorothiazide), Salupres (reserpine, hydrochlorothiazide and potassium chloride), Rautrax (rauwolfia, hydroflumethiazide and potassium chloride), Nephril-R (reserpine, polythiazide and potassium chloride), Ismelin-Navidrex-K (guanethidine, cyclopenthiazide and potassium chloride) and Enduronyl (deserpidine with methyclothiazide).

LOCABIOTAL.—*Constituents:* Fusafungine with aerosol propellents. Fusafungine is an antibiotic obtained from cultures of *Fusarium lateritium*, and has both antibacterial and anti-inflammatory properties. It also has a vasoconstrictive and decongestant action leading to its use in the control of E.N.T. infections. The action appears to be purely local and cross-resistance or sensitisation to other antibiotics is unlikely. Other antibiotic preparations for nasal use, usually with the addition of other decongestive or anti-allergic drugs, are represented by Biomydrin, Betnesol-N, Dexa-Rhinaspray, Hydrospray, Neo-Endrine and Vasocort.

TRIMONE.—*Constituents:* Ethinylœstradiol, ethisterone and methyltestosterone. The product is a mixture of an orally-effective œstrogen, a progestogen and an androgen, and is designed to provide a balanced hormone supplement for control of the climacteric and associated conditions. Other preparations intended to alleviate the hormonal imbalance that occurs during the menopause are represented by Mixogen, Primodian, Femipausin and Mepilin (methyltestosterone and ethinylœstradiol).

PRINT AND PUBLICITY

PUBLICATIONS

Medical Propaganda

Manufacturers' leaflets, folders, booklets, etc., directed to doctors but available to pharmacists.

BENGER LABORATORIES, LTD., Holmes Chapel, Ches.: "Prolonged nasal decongestion . . . Nomaze" (card).

BOOTS PURE DRUG CO., LTD., Nottingham: "Like a breath of fresh air . . . Fenox" (3-p. folder).

DOME DIVISION OF MILES LABORATORIES, LTD., Stoke Court, Stoke Poges, Slough, Bucks: "Dome Dermatologicals" (4-p. folder and 10-p. booklet).

LLOYD ANPHAR, LTD., 36 Berkeley Square, London, W.1: "ANP 235 . . . A central neuro-regulatory agent" (28-p. booklet).

MARSHALL'S PHARMACEUTICALS, LTD., 17 Henrietta Street, Strand, London, W.C.2: "Cardine . . . for chronic circulatory deficiencies" (card). "Deplet . . . new, safe, oral, potent diuretic" (card). "Rumasal . . . analgesic and antipyretic" (card). "Pregornot Sublets . . . in pregnancy or amenorrhœa" (card).

MAY & BAKER, LTD., Dagenham, Essex: "Stemetil . . . in migraine, vertigo and vomiting" (2-p. folder). "Soneryl, Sonalgin" (blotter).

MERCK, SHARP & DOHME, LTD., Hoddesdon, Herts: "Hydromet . . . for the treatment of hypertension" (12-p. booklet).

NICHOLAS LABORATORIES, LTD., Slough, Bucks: "Polycrol . . . the antacid with M.P.S. (methylpolysiloxane)" (card).

PARKE, DAVIS & CO., Hounslow, Middlesex: "Buccal tablets Pitocin . . . effective, safe, simple" (card).

PHARMACIA (GREAT BRITAIN), LTD., Sinclair House, The Avenue, West Ealing, London, W.13: "Salazopyrin . . . in ulcerative colitis" (23-p. booklet).

ROCHE PRODUCTS, LTD., 15 Manchester Square, London, W.1: "Pethilorfan . . . the standard treatment for the pain of labour" (card). "Libraxin . . . in nervous dyspepsia" (two 4-p. folders). "Benerva . . . large doses for rheumatic pain" (card). "Gantanol . . . in acute upper respiratory tract infections" (4-p. folder). "Prostigmin . . . in chronic constipation" (card).

SMITH & NEPHEW PHARMACEUTICALS, LTD., Welwyn Garden City, Herts: "Smith & Nephew Pharmaceuticals, Ltd. . . . World pioneers in the treatment of tuberculosis" (16-p. booklet).

UPJOHN, LTD., Crawley, Sussex: "Provera . . . a highly active oral progestational agent. Depo-Provera . . . a potent, long-acting, aqueous injectable progestogen" (20-p. booklet).

Lists

GEORGE T. GURR, LTD., 136 New King's Road, London, S.W.6: List of instruments and accessories for microscopy and biological science.

MARCHON PRODUCTS, LTD., Whitehaven, Cumberland: Products manufactured, 1964 edition.

PHOTOPIA, LTD., Hempstalls Lane, Newcastle, Staffs: Catalogue for 1964 (price 1s.). Dealers' split-up price list.

PRESS ADVERTISING

BRONCO, LTD., Atlas Works, Berkshire Road, London, E.9: Dixcel facial tissues. In *Daily Mirror, Daily Express, Daily Telegraph* and provincial newspapers.

DIXOR, LTD., St. Leonard's Road, Mortlake, London, S.W.14: Velouty powder cream. In women's magazines.

J. C. & J. FIELD, LTD., 225 Bath Road, Slough, Bucks: Together perfume. In TV magazines, women's wecklies and *Fabulous*.

GOLDEN, LTD., Berkeley Square House, Berkeley Square, London, W.1: Color Match. In *Modern Woman, Woman, Woman's Own, Everywoman, Woman's Journal, Daily Telegraph, Daily Mail* and *Sunday Express*. Color-Glo. In *Woman, Woman's Own* and other leading women's periodicals.

THOS. GUEST & CO., LTD., 92 Carruthers Street, Ancoats, Manchester, 4: Sure Shield laxatives. In *Woman, Woman's Own, Woman and Home, Everywoman, My Home* and *Modern Woman*.

HANIMEX (U.K.), LTD., 42 Lower Marsh, London, S.E.1: Perutz C18 film. In leading photographic magazines.

JACKEL & CO., LTD., Shuna Place, Maryhill, Glasgow, N.W.: Infanta baby powder pad and Infanta nappy pure. In *Woman* and *Woman's Own*.

KEEN, ROBINSON & CO., Carrow Works, Norwich: Robinson's instant baby foods. In *Daily Mirror*.

NICHOLAS PRODUCTS, LTD., 225 Bath Road, Slough, Bucks: Kwells. In *Daily Mail, Daily Express, Daily Telegraph, Daily Mirror, Woman, Woman's Own*, and *Woman's Realm*.

PULLIN OPTICAL CO., LTD., Ellis House, Aintree Road, Perivale, Greenford, Middlesex: Olympus Pen cameras. In numerous journals and newspapers.

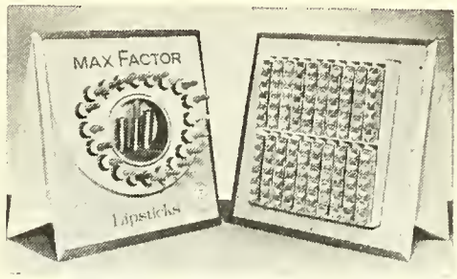
RACASAN, LTD., Cromwell Road, Ellesmere Port, Ches: Racasan mothstrip. In *Daily Express* and *Daily Mirror*.

RADIOL CHEMICALS, LTD., Radian House, 78 Upper Richmond Road, London, S.W.15: Radian-β aspirin spirit liniment. In national and provincial newspapers, the sporting Press and a wide circulation of women's magazines.

RECKITT & SONS, LTD., Hull, Yorks: Steradent. In *Radio Times* and *News of the World*. Disprin. In major newspapers.

RIMMEL, LTD., 62 Baker Street, London, W.1: Beauty on a Budget cosmetic preparations. In *News of the World, The People, Sunday Express, Sunday Mirror, Woman, Woman's Own, Woman's Realm, Woman's Mirror, True Story, Photoplay, True Romances, Woman's Story, Modern Woman, Everywoman, Honey* and *She*.

ROBERT SHAW & CO., LTD., Ascot Works, Ascot Road, Nottingham: Lion hair care products. In *She, My Home, Everywoman, Housewife, Flair* and *Vanity Fair*.



COMBINED "STOCKROOM" and DISPLAY-PIECE: Front and back views of compact counter-display unit and "dispenser" for new Max Factor lipstick range (see *C. & D.*, May 23, p. 512). It measures only 12 in. square and is 7 in. across base. The front shows the new lipstick with larger bullet and contains twenty testers. Back holds six each of the twenty shades.

COMMERCIAL TELEVISION

Figures in these columns represent the number of appearances of the "spot" during the week

June 14-20	London	Midland	North	Scotland	Wales	South	North-east	Anglia	Ulster	Westward	Border	Grampian	Eircann	Channel Is.	W.&N.Wales
Alka-Seltzer	4	4	4	4	4	4	3	4	4	4	4	4	4	4	4
Anadin tablets	2	6	3	7	8	2	2	3	1	4	1	6	—	1	—
Andrew's liver salt	1	2	2	3	3	2	4	3	—	3	3	3	—	—	—
Anne French preparations	1	1	1	1	—	—	1	—	2	—	—	—	—	—	—
Askit powders and tablets	—	—	—	14	—	—	—	—	—	—	5	3	—	—	—
Baby Bunty products	—	—	—	—	—	—	—	—	2	—	—	—	—	—	—
Bathjoys	4	3	—	—	3	3	—	2	—	—	—	—	—	—	—
Beecham's powders	4	4	3	3	4	3	2	3	4	3	2	3	—	4	—
pills	—	—	—	—	1	—	1	—	—	1	—	—	—	—	—
Bisodol	—	—	—	—	—	—	5	—	5	—	—	3	—	—	—
Carter's little liver pills	—	—	—	—	—	4	—	—	—	—	—	—	—	—	—
Cuticura preparations	2	2	2	—	—	—	—	—	—	—	—	—	—	—	—
Dentu-creme	1	2	3	1	4	2	2	1	1	2	2	2	—	1	—
Dinneford's magnesia	1	1	1	—	1	1	1	1	—	—	—	—	—	—	—
Eno "fruit salt"	3	3	3	3	3	3	—	3	3	—	—	—	—	—	—
Field's Lady Manhattan perfume	—	1	—	—	—	—	—	—	—	—	—	—	—	—	—
Floret	—	1	1	—	—	—	—	—	—	—	—	—	—	—	—
Freezone	2	2	3	1	—	—	—	—	—	—	—	3	—	—	—
Germolene	3	2	2	3	4	2	2	2	4	3	—	4	—	—	—
Gillette razor blades	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
Haze	4	4	1	3	2	2	2	2	2	3	2	3	—	3	—
Immac	3	1	2	2	2	2	1	1	2	2	—	3	—	—	—
Ingram shaving cream	—	1	—	1	1	—	1	1	—	1	—	—	—	—	—
Loxene shampoo	4	1	—	4	3	3	—	3	4	4	3	4	—	—	—
Matey	—	—	—	—	—	2	—	—	—	—	—	—	—	—	—
Max Factor lipsticks	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Milk of Magnesia tablets	1	1	1	—	—	1	1	—	—	—	—	—	—	—	—
Moorland tablets	—	—	4	—	—	—	—	—	—	—	—	—	—	—	—
Mum body spray	1	1	1	1	1	2	2	3	2	2	—	1	—	—	—
rollette	2	1	—	1	1	1	1	2	2	1	—	2	—	—	—
Parador floral disinfectant	—	—	3	—	—	—	—	—	—	—	—	—	—	—	—
Phyllosan	—	3	1	—	3	—	3	—	—	—	—	—	—	—	—
Poli-grip	—	—	—	—	—	1	—	—	—	—	—	—	—	—	—
Radox	4	4	—	3	—	3	—	3	—	—	—	—	—	—	—
Rinstead pastilles	—	1	2	2	2	3	1	—	3	3	1	2	—	1	—
Setlers	1	—	1	—	—	3	—	—	2	2	—	—	—	—	—
Steradent	—	2	1	2	2	1	1	2	1	1	2	2	—	2	—
Swarfega hand cleanser	1	1	1	—	1	1	1	1	—	—	—	—	—	—	—

COMING EVENTS

Items for inclusion under this heading should be sent in time to reach the Editor not later than first post on Wednesday of the week of insertion.

Sunday, June 7

PHARMACEUTICAL GROUP, FRIENDS OF THE HEBREW UNIVERSITY OF JERUSALEM, Washington hotel, Curzon Street, London, W.1, at 7.30 p.m. Dinner and dance.

Thursday, June 11

EAST METROPOLITAN BRANCH, PHARMACEUTICAL SOCIETY, Bald Hind hotel, Hainault Road, Chigwell, at 6 p.m. Mr. B. P. Maxwell on "A Journey Through Turkey, Jugo-Slavia and Greece." Tea 5s. Tickets from Mr. R. W. I. Knights, 194 Cambridge Road, Seven Kings, Ilford, Essex.

Friday, June 12

MILAN TRIENNALE, Milan, Italy. For four months.

MISCELLANEOUS INQUIRIES

Skin Freshener

Could you suggest a skin-freshening solution with which to impregnate facial pads?

THE following formula may suit your purpose:—

Glycerin	min. 5
Alcohol	dr. 1
Solution of hamamelis	1 oz.

Polishing Stainless Steel

Can a polish be brought back to stainless steel that has become dull?

AN electrolytic method of polishing stainless steel makes use of the following solution:—

Phosphoric acid	30–40 per cent.
Sulphuric acid	25–35 per cent.
Hydroxyacetic acid	10–20 per cent.
Benzene sulphonic acid	5–25 per cent.
Toluene sulphonic acid	2–12 per cent.
Water	5–15 per cent.

Piglet Anæmia

Is piglet anæmia suitably treated with an iron preparation?

A FORMULATION that is in use for treating piglet anæmia presents iron in association with manganese and copper, thus:—

Ferrous sulphate	3 oz.
Copper sulphate	½ oz.
Manganese sulphate	1 oz.
Treacle	1 lb.
Water	1 pint

The product is a fluid suitable for use as a paint. If a paste is required the amount of water is reduced by about one-quarter.

Quinine Tonic Water

Is there a prescribed formula for an Indian (quinine) tonic water?

THE composition of Indian or quinine tonic water is controlled by the Soft Drinks Regulations 1963 (S.I. 1963, No. 844), the standard being set out in Part I of Schedule I to that Order. It lays down that the tonic water shall contain a minimum of 4½ lb. of sugar and a maximum quantity of gr. 56 of saccharin per 10 gall. and not less than gr. ½ of quinine (calculated as quinine sulphate, B.P.) per pint. The solution is carbonated after being compounded.

Sunscreen Cream

I would like to prepare my own sunscreen cream for customers.

AN effective sunscreen cream may be made by incorporating 2 per cent. *p*-amino-benzoic acid in a vanishing cream base. A suitable formula for the cream is:—

Stearic acid	15·0 per cent.
Potassium hydroxide	0·5 per cent.
Sodium hydroxide	0·18 per cent.
Cetyl alcohol	0·5 per cent.
Lanolin	2·0 per cent.
Glycerin	5·0 per cent.
Water	76·82 per cent.
Sunscreen, preservative and perfume	q.s. of each

The stearic acid, cetyl alcohol and lanolin are heated together at 75° C. until homogeneously blended. The potassium and sodium hydroxides, glycerin preservative and sunscreen are similarly heated, the temperature being adjusted to 75° C. The second mixture is then added to the first with gentle but continuous stirring until the temperature is down to 45° C. Perfume is then incorporated, the product left to stand for twenty-four to forty-eight hours and then milled or homogenised.

PATENTS

COMPLETE SPECIFICATIONS ACCEPTED

From the "Official Journal (Patents)," May 13

Spring structures and articles incorporating such structures. Ortho Pharmaceutical Corporation. 961,880.

Radiopaque compounds and compositions and the preparation thereof. Sterling Drug Co. 961,902.

Pyrazolopyrimidine derivative and process for preparing it. Shionogi & Co., Ltd. 961,907.

Sulphonamides and a method of making same. Haco, A.G. 961,980.

Film counting mechanism for photographic cameras. Voigtlander, A.G. 961,969.

Herbicidally active dichlorophenyl amides. Hercules Powder Co. 962,014.

Process for preparing penicillins. Beecham Research Laboratories. 962,024-25.

Method for combating micro-organisms. Stauffer Chemical Co. 962,045.

Fluoroformamidines. Farbenfabriken Bayer, A.G. 962,046.

Mechanical tooth brush head. A. Verdi. 962,068.

Combating lungworm infections and veterinary compositions therefore. Philips' Gloeilampenfabricken, N.V. 962,110.

Dentifrice compositions. Unilever, Ltd. 961,659.

Device for mounting a flash lamp on a photographic camera. Rollei-Werke Franke & Heidecke. 961,682.

Optical projectors. Braun, A.G. 961,684.

British patent specifications relating to the above will be obtainable (price 4s. 6d. each) from the Patent Office, 23 Southampton Buildings, Chancery Lane, London, W.C.2, from June 24.

From the "Official Journal (Patents)," May 21

Process for the production of sterically homogeneous diene—(10,12)—ols—(1). Farbenfabriken Bayer, A.G. 962,131.

Multi-vitamin compositions containing fluorides. Upjohn Co. 962,209.

Ointment-type compositions. I. Buchanan. 962,226.

Poliomyelitis vaccines. Merck & Co., Inc. 962,241.

Surgical gown with moisture-proof conductive grounding means. D. Tames. 962,272.

Therapeutic compositions comprising furon derivatives. Soc. d'Etudes et de Realisations Scientifiques, en Abrege S.E.R.E.S.C.I. 962,280.

Process for producing a boiled malt wort. Falstaff Brewing Corporation. 962,286.

Trifluoropropyl-pyridine derivatives. Parke, Davis & Co. 962,294.

Enzymic compositions. Rohm & Haas Co. 962,321.

Safety razors. W. Trayner. 962,364.

Cleansing compositions. Boots Pure Drug Co., Ltd. 962,469.

Production of sulphamic acid. Allied Chemical Corporation. 962,528.

Anthelmintic compositions. Imperial Chemical Industries of Australia and New Zealand, Ltd. 962,533.

Radioactive carrier compositions. Abbott Laboratories. 962,582.

Detergent compositions. Unilever, Ltd. 962,585.

Method for purifying phenols. Dow Chemical Co. 962,623.

Androstane and 19-nor-androstane derivatives and the preparation thereof. E. Merck, A. G. 962,674.

Fermentation process for preparing L-glutamic acid. Ajinomoto Co., Inc., and Sanraku Distillers Co., Inc. 962,684.

Method of preparing dehydroabietic acid diethylaminoethylamide hydrochloride. Spofa, Sdruzeni Podniku pro Zdravotnickou Vyrobu. 962,687.

Coccidiostatic compositions comprising p-aminobenzoic acid derivatives. Merck & Co., Inc. 962,690.

Pesticidal compositions. Diamond Alkali Co. 962,697.

Process for the preparation of neomycin. Chinoin Gyogyszer-es Vegyeszeti Termekek Gyara R. T. 962,705.

Nitrofuran derivatives. Laboratories Robert et Carriere, S.A. Des. 962,706.

Apparatus and method for coating discrete solids. Smith Kline & French Laboratories. 962,711.

Production of penicillins. Bristol-Myers Co. 962,719.

Rodenticidal compositions. Ward Blenkinsop & Co., Ltd. 962,736.

Filling of tubes. County Laboratories, Ltd. 962,757.

Steroid-21-amino-acid esters and process for their manufacture. Farbwerke Hoechst, A.G. 962,797.

Organic phosphine derivatives. American Cyanamid Co. 962,828.

Shutter for photographic camera. Alfred Gauthier, G.m.b.H. 962,605.

Kinematographic camera. Kamera-und Kinowerke Dresden Veb. 962,746.

Photographic objective. C. Zeiss. 962,368.

British patent specifications relating to the above will be obtainable (price 4s. 6d. each) from the Patent Office, 23 Southampton Buildings, Chancery Lane, London, W.C.2, from July 1.

NEW COMPANIES

P.C.=Private Company. R.O=Registered Office.

AVASTOWN CHEMISTS, LTD. (P.C.). — Capital £100. To carry on the business of wholesale and retail chemists, etc. Subscribers: Jean Herbert and Thomas A. Herbert, 156 Strand, London, W.C.2.

MARGARET BROOME, LTD. (P.C.). — Capital £100. To carry on the business of dispensing chemists, etc. Directors: Anthony R. Broome, M.P.S., and Margaret A. Broome, M.P.S. R.O.: Central Buildings, Smedley Street, Matlock, Derbys.

CELLULAR MEDICAMENTS, LTD. (P.C.).— Capital £2,000. To deal in pharmaceutical and chemical products, etc. Subscribers: Geraldine Silver and Zelda A. Ebedes. Solicitors: Buckeridge & Braune, 3 Clements Inn, London, W.C.2.

A. & T. MILLARD, LTD. (P.C.).—Capital £100. To carry on the business of chemists and druggists, etc. Subscribers: Stanley H. Lucas and Francis A. Dean. R.O.: 20A Selsdon Road, South Croydon, Surrey.

NIMIKE, LTD. (P.C.).—Capital £100. To carry on the business of chemists, etc. Subscribers: Jean Herbert and Thomas A. Herbert, 156 Strand, London, W.C.2.

PARR LAN DRUG STORES (UNSWORTH), LTD. (P.C.).—Capital £100. To deal in drugs and toilet requisites, etc. Directors: Sidney Linz and Estelle Linz. R.O.: 44 Corporation Street, Manchester, 4.

RASHBROOKE CHEMICAL PRODUCTS, LTD. (P.C.).—Capital £100. To carry on the business of chemists, etc. Subscribers: Robert Rashbrooke and Jack House. R.O.: 66 Princess Way, Wimbledon Park, London, S.W.19.

J. G. SQUIRE, LTD. (P.C.).—Capital £2,000. To carry on the business of chemists, etc. Directors: John G. Squire, M.P.S., and Patricia L. Squire. R.O.: 68 Queen Street, Sheffield, 1.

STEVENS & CALVERT, LTD. (P.C.). — Capital £3,000. To carry on the business of chemists and druggists, etc. Directors: Owen St. George Stevens, Sylvia Stevens, Peter Calvert and Shirley E. Calvert. R.O.: 25 John Street, Sunderland.

CONTEMPORARY THEMES

Subjects of contributions in current medical and technical periodicals.

MORPHINE. Effect on breathing. *J. Amer. med. Ass.*, May 11.

RHEUMATIC FEVER. Oral prophylaxis of. *J. Amer. med. Assn.*, May 11.

PHOTOMETRIC TITRATIONS. *J. Pharm. Sciences*, May.

ASPIRIN. Sustained-release tablet using an insoluble matrix. *J. Pharm. Sciences*, May.

COACERVATION. Coating pharmaceuticals by. *J. Pharm. Sciences*, May.

HEART. Towards the artificial. *New Scientist*, May 28.

BETAMETHASONE 17-VALERATE: A new topical corticosteroid. *Lancet*, May 30.

FIBRINOLYSIN treatment of thromboembolism. *J. Amer. med. Ass.*, May 18.

PROGESTIN in habitual abortion. *J. Amed. med. Ass.*, May 18.

A DILUENT TABLET GRANULATION. *Drug and Cosmetic Ind.*, May.

HUMAN SERUM PROTEIN FRACTIONS. Interrelations of, in health and disease. *Nature*, May 16.



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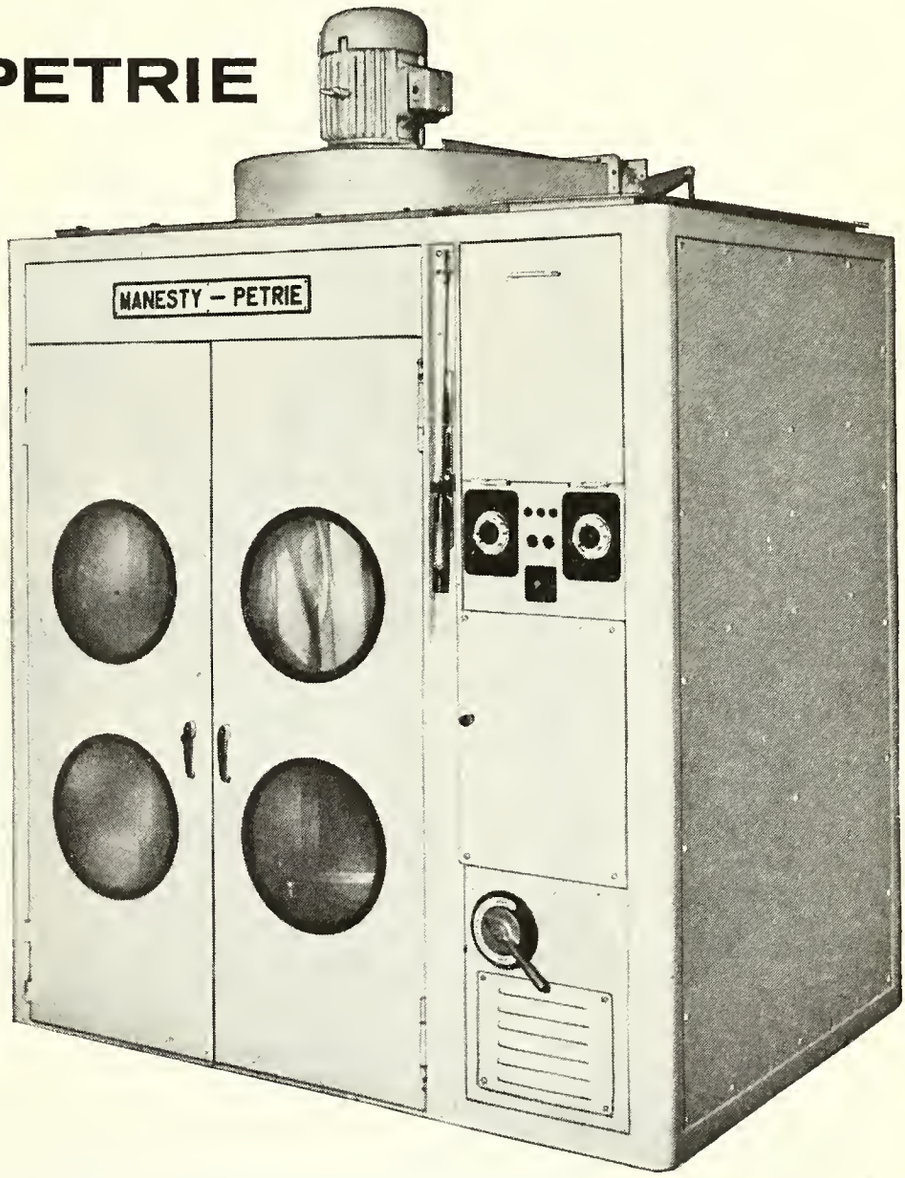


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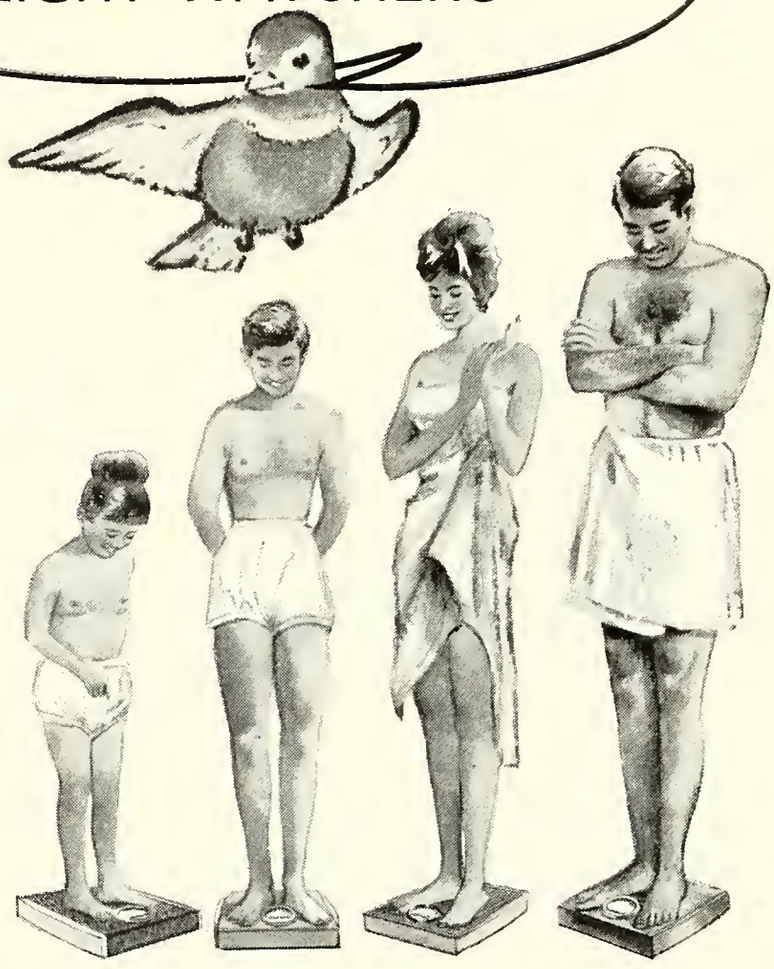
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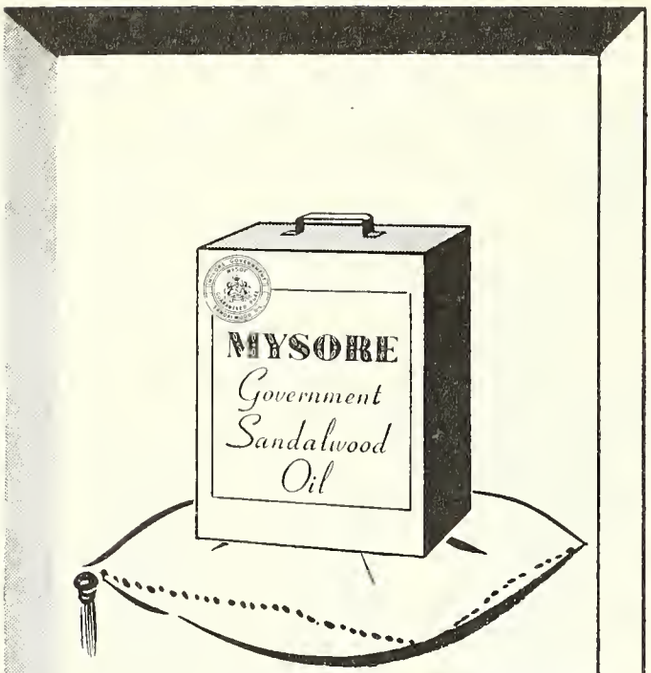
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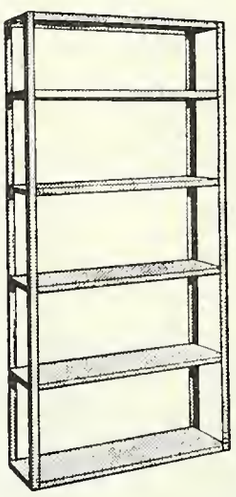
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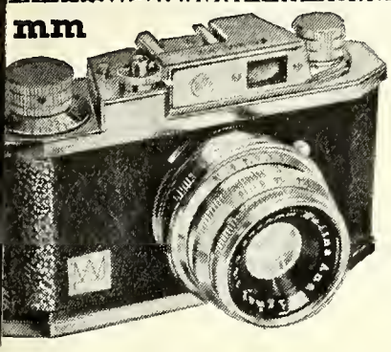


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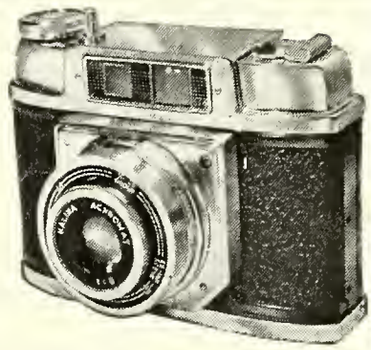
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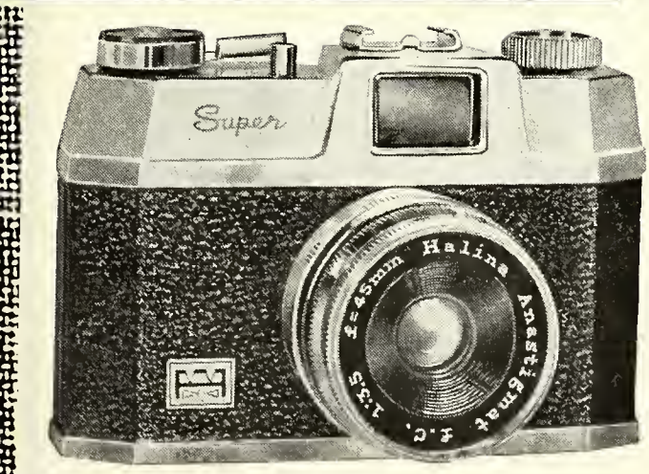
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C 6131

APPOINTMENTS

BARNET GENERAL HOSPITAL, WELLHOUSE LANE, BARNET, HERTS

Senior Pharmacist

required. Whitley Council salary plus London Weighting. Apply to Chief Pharmacist. C 675

BARNET GENERAL HOSPITAL, WELLHOUSE LANE, BARNET, HERTS

Locum Pharmacist

required. Apply to Hospital Secretary naming two referees. C 676

ASHFORD GROUP OF HOSPITALS, KENT

Senior Pharmacist (Category III)

required to take charge of busy Pharmaceutical Department. Duties mainly at Ashford Hospital, with good supporting staff. Interesting responsible post in pleasant dispensary offering valuable experience.
Whitley Council Conditions of Service and salary scale (plus latest 5 per cent. increase). Applications, together with the names and addresses of two referees, to the Hospital Secretary, Willesborough Hospital, near Ashford, Kent, to reach him as soon as possible. C 9238

BATTERSEA GENERAL HOSPITAL, BATTERSEA PARK, S.W.11

Senior Pharmacist or Pharmacist

permanent or locum, required at the above hospital. Applications to Secretary, naming two referees. C 9232

BETHNAL GREEN HOSPITAL, CAMBRIDGE HEATH ROAD, LONDON, E.2

Dispensing Assistant

with Apothecary Hall certificate and previous hospital experience required. Modern department in acute General Hospital situated within a few minutes of Central Line Underground. Post offers varied work and excellent experience. Applications stating age, qualifications, details of experience and names of two referees to Hospital Secretary, Bethnal Green Hospital, Cambridge Heath Road, London, E.2. C 664

BISHOP'S STORTFORD HOSPITALS

Locum Pharmacist

required for the above hospitals for the period 15th June to 20th June and 13th to 25th July, 1964. Weekly rate £20 19s. Applications to the Hospital Secretary, Herts and Essex General Hospital, Bishop's Stortford, telephone Bishop's Stortford 3232, extn. 41, with names of two referees. C 9224.

BROADMOOR HOSPITAL, CROWTHORNE, BERKS

Locum Pharmacist

(qualified) required immediately. £24 5s. per week. Apply Physician Superintendent, Broadmoor Hospital, Crowthorne, Berks. C 9220

CENTRAL GROUP HOSPITAL MANAGEMENT COMMITTEE

Locum Pharmacist

required for holiday relief duties in Hospitals within the group, June 8-20, 1964, June 8 to July 4, 1964, June 15 to 27, 1964, August 10 to October 3, 1964, and September 7-12, 1964. Salary £19 19s. Applications to the Chief Pharmacist, Metropolitan Hospital, Kingsland Road, E.8. CLI. 6862. C 663

BROADMOOR HOSPITAL, CROWTHORNE, BERKS

Chief Pharmacist

required. Salary £1,057—£1,393, N.H.S. conditions. Unfurnished house available. Applications, naming three referees, to Medical Superintendent. C 9221

BUCKLAND HOSPITAL, DOVER

Senior Pharmacist

required for an expanding hospital. National Scale of Salaries payable.
Applications in writing, stating experience and the names and addresses of two referees, to be sent to the Hospital Secretary. C 9217

CAMBERWELL HOSPITALS MANAGEMENT COMMITTEE

Chief Pharmacist

Applications invited for the post of Chief Pharmacist, Category I, St. Francis' Hospital, Constance Road, S.E.22. Salary £898 by 8 increments to £1,233 p.a. plus London Weighting Allowance.
Apply Group Secretary, Dulwich Hospital, East Dulwich Grove, S.E.22. Locum considered. C 9235

CHARING CROSS GROUP OF HOSPITALS, FULHAM HOSPITAL, ST. DUNSTANS ROAD, W.6

Locum Pharmacist

required for 6 weeks duty commencing 15th June, 1964. Applications to Chief Pharmacist. C 9196

CLAYTON HOSPITAL, NORTHGATE, WAKEFIELD

Post-graduate Pharmaceutical Student

There will be a vacancy in September for a Post-graduate Pharmaceutical Student who requires one year's practical training before registration.
The Department is situated in a busy general hospital and there is ample opportunity to obtain a sound knowledge of hospital pharmacy. Payment will be at the rate of £509 per annum.
Application form from Group Secretary, Wakefield "A" Group H.M.C., 113 Northgate, Wakefield. C 9208

HAMMERSMITH HOSPITAL AND POST-GRADUATE MEDICAL SCHOOL, DU CANE ROAD, LONDON, W.12

Applications are invited for the post of

Deputy Chief Pharmacist

at the above General Post-graduate Teaching Hospital (Category V). Whitley Council salary scale and conditions. £987—£1,323 per annum, plus £45/£55 London Allowance, plus Teaching Hospital Allowance.
Post provides excellent experience in all branches of Pharmacy including administrative.
Applications, naming two referees, should be addressed to the Secretary, Board of Governors, Hammersmith Hospital, Du Cane Road, London, W.12, by 15th June. C 9195

Appointments—Continued

CLAYTON HOSPITAL, NORTHGATE, WAKEFIELD

Dispensing Assistant

Experienced Dispensing Assistant required. Post offers exeellent experience in all aspects of hospital pharmacy. Salary according to age and experience on seale rising to £597 per annum or £678 per annum if in possession of Certifieate of Society of Apothecaries or its equivalent.
Application form from Group Secretary, Wakefield "A" Group H.M.C., 113 Northgate, Wakefield. C 9209

HAMMERSMITH HOSPITAL AND POST-GRADUATE MEDICAL SCHOOL, DU CANE ROAD, LONDON, W.12

Pharmacist

required at above General Post-graduate Teaching Hospital (Category V). Post offers varied work and exeellent experienee. Department now being enlarged and modernised. Previous experience not essential. Whitley salary scale £761 — £1,019 per annum plus London Allowance. Commencing salary within this seale according to experience. Applications should be addressed to Chief Pharmacist. C 9202

HAMMERSMITH HOSPITAL AND POST-GRADUATE MEDICAL SCHOOL, DU CANE ROAD, LONDON, W.12

Senior Pharmacist

required at above General Post-graduate Teaching Hospital (Category V) to take charge of new, modern and well-equipped sterile produets laboratory. Post also offers wide range of experience, and opportunity to keep abreast of developments in general pharmacy. Whitley salary seale £851—£1,113 per annum plus £45/£55 London Allowance. Applications should be addressed to the Chief Pharmacist. C 9201

HILL END HOSPITAL, ST. ALBANS, HERTS

Dispensing Assistant

male or female, required at the above hospital within easy reach of Central London. Single accommodation may be available, if required. Whitley Council salary and conditions of serviee. Apply stating age, full particulars of experienee and naming two referees, to the Chief Pharmacist. C 677

HOSPITAL MANAGEMENT COMMITTEE No. 9— WAKEFIELD "A" GROUP

Senior Pharmacist

required for busy sterilising and manufacturing department in a eategory IV group hospital. Modern equipment ineludes newly installed rapid cooling fluids autoclave. Post offers excellent experience. Salary £851 to £1,113. Whitley Council conditions.
Application form from Group Secretary, 113 Northgate, Wakefield. C 9211

ILFORD & DISTRICT HOSPITAL MANAGEMENT COMMITTEE, KING GEORGE HOSPITAL, EASTERN AVENUE, NEWBURY PARK, ILFORD, ESSEX

Dispensing Assistant

Part-time — 23 hours per week. Whitley Council pay and conditions. Apply to Group Seeretary. C 9236

MOORFIELDS EYE HOSPITAL

Locum Pharmacist

required from June 22nd. Applications to the Chief Pharmacist, Moorfields Eye Hospital, City Road, London, E.C.1. C 9204

KING'S LYNN AREA HOSPITALS MANAGEMENT COMMITTEE

Senior Pharmacist

Applications are invited for the above appointment in the Group Pharmacy Department at the West Norfolk and King's Lynn General Hospital, King's Lynn, Norfolk.
Whitley Counell conditions of serviee and salary £851 rising to £1,113, plus £25 higher qualifieations allowance where applicable. Supporting staff ineludes three Dispensing Assistants.
Applieations, stating age, qualifieations, experience, and the names of two referees, to be sent to the Group Secretary, St. James' Hospital, Extons Road, King's Lynn, Norfolk. C 9227

LEWISHAM GROUP HOSPITAL MANAGEMENT COMMITTEE

Chief Pharmacist (Category III)

required for St. John's and Hither Green Hospital. Full details and names of referees to Group Secretary, Lewisham Hospital, High Street, S.E.13. C 668

MOORFIELDS EYE HOSPITAL

Senior Pharmacist

Applieations are invited for the post of Senior Pharmacist at the above Post-graduate Teaching Hospital. Interesting post in modern department. Whitley Council salary and eonditions of serviee.
Applieations, in writing, stating age, qualifieations and names of two referees to the Chief Pharmacist, Moorfields Eye Hospital, City Road, London, E.C.1. C 9205

NORTH MIDDLESEX HOSPITAL, LONDON, N.18

Dispensing Assistant

required in modern Group Pharmacy. Applications giving age, experience and the names of two referees to the Seeretary. C 9239

NORTH WIRRAL HOSPITAL MANAGEMENT COMMITTEE, VICTORIA CENTRAL HOSPITAL, LISCARD ROAD, WALLASEY, CHESHIRE

Pharmacist, full-time

Salary according to scale agreed by the Whitley Council.
Applications to Hospital Seeretary. C 9148

PADDINGTON GENERAL HOSPITAL, HARROW ROAD, W.9

Senior Pharmacist

required at above hospital. Commeneing salary aecording to previous experience. Applieations together with the names and addresses of two referees to the Hospital Secretary. C 665

PADDINGTON GENERAL HOSPITAL, HARROW ROAD, W.9

Locum Pharmacist

required for indefinite period. Apply immediately to the Hospital Seeretary. C 666

RONKSWOOD HOSPITAL, WORCESTER

Pharmacist

required for interesting and varied duties. Salary on scale £761 to £1,019 per annum according to previous professional experience. Applications stating age, details of training, posts held, names of referees, to the Hospital Seeretary, from whom further information may be obtained. C 9186

ROYAL FREE HOSPITAL

Locum Pharmacist

required for work at the above hospital. Salary £20 19s. per week. Apply naming two referees, to Group Chief Pharmaeist, Royal Free Hospital, Gray's Inn Road, W.C.1. C 678

ROYAL FREE HOSPITAL GROUP, HAMPSTEAD GENERAL HOSPITAL, THE GREEN, HAVERSTOCK HILL, N.W.3

Dispensing Assistant

required at the above hospital. Whitley Salary Scale ranging from £452 to £678 plus London Weighting and Qualification Allowance (for applicants over 21 years of age). Apply, naming two referees, to Group Chief Pharmacist, Royal Free Hospital, Gray's Inn Road, London, W.C.1. C 9230

ROYAL HOSPITAL, RICHMOND, SURREY

Senior Pharmacist

Applications are invited for the post of Senior Pharmacist at the Royal Hospital (Acute General), Richmond, Surrey. Whitley Counell salary and conditions of service, plus London Weighting. Applications, giving details of age, experience, qualifications, and naming two referees, to Administrative Officer, immediately. C 9237

ROYAL MARSDEN HOSPITAL, FULHAM ROAD, LONDON, S.W.3

A Post-graduate Teaching Hospital

Pharmacist

required, approximately 1st July, 1964, to work in a new, well-equipped department. Post offers wide variety of duties, some in association with The Institute of Cancer Research. Salary £725—£970 per annum (5 per cent. increase agreed), according to previous experience, plus London Allowance £25—£40 and £25 a year for higher qualification allowance. Applications with names of two referees to the Group Pharmacist. C 9200

ST. ALBANS CITY HOSPITAL, NORMANDY ROAD, ST. ALBANS, HERTS (403 beds)

Locum Tenens Pharmacist

required immediately. Part-time would be considered. Whitley Council salary and conditions of serviee. Detailed applications giving names of two referees to the Hospital Seeretary. C 659

ST. GILES' HOSPITAL, CAMBERWELL, S.E.5

Locum Pharmacist

full-time, part-time or sessional required immediately.
Apply: Chief Pharmacist, St. Giles' Hospital, St. Giles' Road, Camberwell, S.E.5. (RODney 4221). C 9234

ST. ALBANS CITY HOSPITAL, NORMANDY ROAD, ST. ALBANS, HERTS (403 beds)

Senior Pharmacist or Pharmacist

Applications are invited for the above post at this general hospital within easy reach of Central London.

Locum Tenens Pharmacist

required immediately pending this appointment. Whitley Counell salary and conditions of serviee. Applieations stating age, qualifications and experience, together with the names of two referees, to the Chief Pharmacist. C 652

ST. GILES' HOSPITAL, CAMBERWELL, S.E.5

Senior Pharmacist

Applications invited for post of Senior Pharmacist. Salary scale £896—£1,168 p.a. Part-time considered.
Further details from or applications to Chief Pharmacist. C 9233

ST. JOHN'S & HITHER GREEN HOSPITAL

Pharmacist

required at once. Applications to Hospital Secretary, St. John's Hospital, Morden Hill, S.E.13. C 656

ST. JOHN'S & HITHER GREEN HOSPITAL

Locum Pharmacist

required. £19 19s. Apply Hospital Secretary, St. John's Hospital, Morden Hill, S.E.13. C 657

ST. MARGARET'S HOSPITAL, EPPING

Dispensing Assistant

required at above hospital. Whitley Council scale. Applications to Hospital Secretary.

Part-time Pharmacist

required. Whitley Council salary and conditions. Apply, stating qualifications and experience, and naming last employer, to Hospital Secretary. C 6111

THE UNITED SHEFFIELD HOSPITALS, CHILDREN'S HOSPITAL (205 beds)

Senior Pharmacist

required for the above Teaching Hospital. Post offers wide experience in all aspects of pædiatric dispensing. Salary scale £851 to £1,113 per annum, Whitley Council conditions of service. Applications, stating previous experience and names of two referees to Superintendent, Children's Hospital, Sheffield, 10. C 9192

WORTHING GROUP HOSPITAL MANAGEMENT COMMITTEE, SOUTHLANDS HOSPITAL, SHOREHAM-BY-SEA, SUSSEX

Pharmacist

Applications are invited for the above appointment. Salary as Pharmaceutical Whitley Council scale. Applications stating age, qualifications and experience together with the names of two persons from whom references may be obtained to be sent to the Hospital Secretary.

A. V. OAKTON,
Group Secretary.
C 9190

YORK "A" HOSPITAL MANAGEMENT COMMITTEE

Pharmacist

required for Group Pharmaceutical Service based at the County Hospital, Monkgate, York.
Salary scale £761 x £32 (1) x £31 (1) x £37 (3) x £42 (2) to £1,019 p.a.
Applications stating age, qualifications, experience and names of two referees to Group Secretary, Bootham Park, York. C 9219

PUBLIC APPOINTMENTS

CHIEF PHARMACIST—

H.M. PRISON SERVICE

Male registered Pharmacist aged 25 or over, required for a Chief Pharmacist Category II post at H.M. Prison Pentonville, London, N.7.

Salary scale £940 to £1,260 plus £40-£55 N.H.S. London Weighting and £54 environment allowance.

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CHESTER. Young Pharmacist required immediately for branch shop. Private business. Excellent prospects. Saturday early closing. Box C 6133.

DISPENSING AND/OR COUNTER ASSISTANTS required for London, E.C.1 and N.1. Highest salary paid in exchange for experience and loyalty. Apply in writing to The Managing Director, Kendale Chemists, 51 Exmouth Market, London, E.C.1. C 6134

SOUTHAMPTON. A Branch Manager is required for a pharmacy on an attractive new housing estate near lovely open country and Southampton water. An excellent 2-bedroom flat is available. Very suitable for a married Pharmacist. Superannuation and good employment conditions. Attractive salary with excellent prospects of improvement. Please apply to Superintendent Pharmacist, Southampton Co-operative Chemists, Ltd., 122 St. Mary's Road, Southampton, Hants. C 6129

S.W.8. Experienced lady assistant required for counter and dispensary when necessary for busy modern pharmacy. Good supporting staff. Three weeks' annual holiday. Salary commencing £12 per week. Telephone for appointment., M.C. 6989, or write Hall's Chemist Ltd., 240 Wandsworth Road, S.W.8. C 6113

WANTED. UNQUALIFIED STAFF. Male or female manager required to take charge of perfumery and cosmetic shop in West End. Good salary, prospects for the right person. Box C 6107.

TIMOTHY WHITES invite applications from pharmacists for positions as branch managers in Yorkshire and Durham. Full details of excellent salaries offered, holidays, sick pay, etc., at interview, which can be arranged to suit applicant. Some modern accommodation available. Also required, pharmacists to act as sickness and holiday relief staff in both areas for long or short periods and with opportunities for future management if required. Apply to Mr. J. M. Hobson, M.P.S., Burley Hill, Leeds, 4. C 9231

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EXPERIENCED REPRESENTATIVE required by well-known import house for fashion jewellery and hair ornaments, for N. Ireland, South-east Coast, North and South Wales, North Counties. Ref. required. Jodez (Manchester), Ltd., 9 Sugar Lane, Manchester, 4. Phone: Deansgate 6564. C 6130

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Croydon, Surrey.

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C 9228

MEDICAL REPRESENTATIVE, well-known pharmaceutical company manufacturing ethical products has vacancy for a Representative to cover the Counties of Notts, Leics, Derbys, Staffs and Lincs. The man appointed, preferably residing in or near Leicester, will be required to call on doctors, hospitals and retail chemists and experience in medical detailing is essential. Those without this experience need not apply. Good salary and prospects, company car, non-contributory pension scheme. Holiday arrangements respected. Applications in strict confidence giving age, education and experience to Box C 9226.

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5. Bedfordshire and Buckinghamshire.
Applications to Regional Manager, South East Region: Mr. W. J. Houghton, 'Green Willows,' Moormead Close, Hitchin, Herts.

6. North Durham; 7. Northumberland; 8. Leeds.
Applications to Regional Manager, North East Region: Mr. M. Dacre, 2 Falkland Road, Moortown, Leeds 17, Yorks.

9. Norfolk; 10. Cambridgeshire and Northants.
Applications to Regional Manager, East Midland Region: Mr. J. Haigh, 'Bramcote,' 7 Cambrian Drive, Woodland Park, Prestatyn, N. Wales.

11. South East Scotland; 12. Ayrshire.
Applications to Regional Manager, Scotland/N. Ireland: Mr. A. N. Haase, 129 Shaw Moss Road, Maxwell Park, Glasgow.

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C 9223

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C 9199

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C 9218

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